

SEQUENCE LISTING

<110> Retter, Marc W.
Fanger, Gary R.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF OVARIAN CANCER

<130> 210121.462C6

<140> US

<141> 2001-04-04

<160> 461

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<212> DNA

<213> Homo sapien

<400> 1

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gcccccaaag	ctgtttcttt	tgtcttttagc	gtaaagctct	cctgccatgc	agtatctaca	420
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<212> DNA

<213> Homo sapien

<400> 2

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gttaaagcag	ggttacatga	tgaaaaaggg	ccacagacgg	aaaaactgga	ctgaaagatg	420
gtttgtacta	aaacccaaca	taattttcta	ctatgtgagt	gaggatctga	aggataagaa	480
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<212> DNA

<213> Homo sapien

<400> 3

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tgatccaccc	gcctcggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	accacgccc	360
gccccaaaag	ctgtttcttt	tgtcttttagc	gtaaagctct	cctgccatgc	agtatctaca	420
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<210> 4
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 <212> DNA
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<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 4

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gacatcttgt	agtctgcctg	agatctgctg	atgntttcca	ttcactgctt	ccagttccag	480
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<210> 5
 <211> 531
 <212> DNA
 <213> Homo sapien

<400> 5

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atcagccatt	gcctccagtt	gcacctatag	caacaccctt	gtcttctgct	acttcaggga	480
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 <212> DNA
 <213> Homo sapien

<400> 6

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gcactgaagc	caccactggg	gctggcactg	gcactggcac	tgttattggg	actgggtactg	300
gcaccagtgc	tggcactgcc	actctctttg	gctttggctt	tagcttctgc	tccgcctggg	360
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ttctccgagc cgagcccaat gccattcga gctctaattct cggccctagc cttggcttca 480
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<210> 7
<211> 531
<212> DNA
<213> Homo sapien

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<400> 7
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gcccgagggg cttcaagggg tcccatagcc ttttggggcc gcagggcatc aaggactcgg 180
ttggctgctt gggcccgag agccttgctc tccctgagat cacctaaagc ccgtagggggc 240
aaggctcgcc gtagagctgc caagctccag tcatcccaag agcctgaagc accaccacct 300
cgggatgtgg cctttttgca agggagggca aatgatttgg tgaagtacct tttggctaaa 360
gaccagacga agattcccat caagcgctcg gacatgctga aggacatcat caaagaatac 420
actgatgtgt accccgaaat cattgaacga gcaggctatt ccttggagaa ggtatttggg 480
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<210> 8
<211> 531
<212> DNA
<213> Homo sapien

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<220>
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<222> (1)...(531)
<223> n = A,T,C or G

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<400> 8
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caatcaggaa gactttttcc ttcttcaaga agtgaagggt ttccagagta tagctacact 180
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ataagaacaa caggaccttg tcataaattc tggataagag aaatagtctc tgggtgtttg 480
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<210> 9
<211> 531
<212> DNA
<213> Homo sapien

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<220>
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<223> n = A,T,C or G

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<400> 9
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ggtgcacaga ccagcacggc tctgtgacct gtttgttaca ggtccatgat gaggtaaaca 180
atacactgag tataagggtt ggttttagaaa ctcttacagc aatttgacaa agtaatcttc 240
tgtgcagtga atctaagaaa aaaattgggg ctgtatttgt atgttccttt ttttcatttc 300
atgttctgag ttacctattt ttattgcatt ttacaaaagc atccttccat gaaggaccgg 360

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aagttaaaaa caaagcaggt cctttatcac agcactgtcg tagaacacag ttcagagtta 420
tccacccaag gagccagga gctgggctaa accaaagaat tttgcttttg gttaatcatc 480
aggtacttga gttggaattg ttttaatccc atcattacca ggctggangt g 531

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<210> 10
<211> 861
<212> DNA
<213> Homo sapien

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tggagacatt caagcaaagg ttggacaact acttttccag aacagaaagg aaactcatgc 180
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gatcagataa aacagtttaa ggaatttctg gggacctaca ataaacttac agagacctgc 300
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gaatatcata ttcagcagaa tgaagccctg gcagccaaag caggactcct tggccaacca 480
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ttatgattca gcagcttggt cacttgatta gaaaaataaa ccattgtttc ttcaattgtg 780
actgttaatt ttaaagcaac ttatgtgttc gatcatgtat gagatagaaa aatttttatt 840
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<210> 11
<211> 541
<212> DNA
<213> Homo sapien

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<400> 11
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tggcataaga tatatccact tttgatatta aacttgtgaa gcatattctt cgacaaattg 240
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acaaggcacc gtgatttttg taattctaac ctgaagaaat gtgatgactt ttgtggacat 480
gaaaatcaga tgagaaaact gtggtcttcc caaagcctga actccctga aaacctttgc 540
a 541

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<210> 12
<211> 541
<212> DNA
<213> Homo sapien

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<400> 12
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ttggtcgatt aagtggcctg ggtgtccag gccatttat attagacctc tcagtatagc 480

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<210> 13
<211> 441
<212> DNA
<213> Homo sapien

<400> 13
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ggaggggggag ggcgtcgggg ggggtggggg aggcgttccg gtccccaaga gaccgcggga 180
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gctgaaagat tttgagaaga gggggaaaaa ggaagtttgt cctgtcctgg atcagtttct 300
ttgtcatgta gccaaagactg gagaaacaat gattcagtgg tcccaattta aaggctatct 360
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<211> 131
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

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tgccgntgcc g 131

<210> 15
<211> 692
<212> DNA
<213> Homo sapien

<400> 15
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<210> 16
<211> 728
<212> DNA
<213> Homo sapien

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<400> 16

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<210> 17

<211> 531

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 17

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aaaagcactt	tcagaaggag	gaacaggaga	gacaagagcg	aagaaagcgg	ctggaggaga	360
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ccgcagctaa	caattccggc	ccagaccctt	gtgaaagctg	tagagactcg	gccctctggg	480
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<210> 18

<211> 1041

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1041)

<223> n = A,T,C or G

<400> 18

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cagcagggcc	tcatacacact	gggctggatt	catactcacc	ccacacagac	cgcgtttctc	180
tccagtgtcg	acctacacac	tcactgctct	taccagatga	tgttgccaga	gtcagtagcc	240
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cttaatttaa	gctttctaga	aagcttttga	agttttttgta	gatagtagaa	aggggggcat	540
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ttaggcaagt	cagaaagaga	acatgggtcac	ccaaaagcaa	ctgtaactca	gaaattaagt	660
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ccttccttct	ggattcacca	attgttaaca	tttttttcct	ctcagctatc	cttctaattt	780
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agcttattac	tgggggtgagg	gacagcttac	tccatttgac	cagattgttt	ggctaacaca	960
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<210> 19
 <211> 1043
 <212> DNA
 <213> Homo sapien

<400> 19

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cagcagggcc	tcatcacact	gggctggatt	catactcacc	ccacacagac	cgcgtttctc	180
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gaggagattt	cttcctgtcg	ccagaaagga	tttcatccac	acagcaagga	tccacctctg	360
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cacctgagaa	agagctgatt	ttgtatttca	ggtttgaaaa	gaaataactg	aacatatttt	600
ttaggcaagt	cagaaagaga	acatgggtcac	ccaaaagcaa	ctgtaactca	gaaattaagt	660
tactcagaaa	ttaagtagct	cagaaattaa	gaaagaatgg	tataatgaac	ccccatatac	720
ccttccttct	ggattcacca	attgttaaca	tttttttcct	ctcagctatc	cttctaattt	780
ctctctaatt	tcaatttggt	tatatttacc	tctgggctca	ataagggcat	ctgtgcagaa	840
atttggaagc	catttagaaa	atcttttgga	ttttcctgtg	gtttatggca	atatgaatgg	900
agcttattac	tgggggtgagg	gacagcttac	tccatttgac	cagattgttt	ggctaacaca	960
tcccgaagaa	tgattttgtc	aggaattatt	gttattttaat	aaatatttca	ggatattttt	1020
cctctacaat	aaagtaacaa	tta				1043

<210> 20
 <211> 448
 <212> DNA
 <213> Homo sapien

<400> 20

ggacgacaag	gccatggcga	tatcggatcc	gaattcaagc	ctttggaatt	aaataaacct	60
ggaacagggg	aggtgaaagt	tggagtgaga	tgtcttccat	atctatacct	ttgtgcacag	120
ttgaatggga	actgtttggg	tttagggcat	cttagagttg	attgatggaa	aaagcagaca	180
ggaactgggt	ggaggtcaag	tggggaagtt	ggtgaatgtg	gaataactta	cctttgtgct	240
ccacttaaac	cagatgtggt	gcagctttcc	tgacatgcaa	ggatctactt	taattccaca	300
ctctcattaa	taaattgaat	aaaaggggaat	gttttggcac	ctgatataat	ctgccaggct	360
atgtgacagt	aggaaggaat	ggtttcccct	aacaagccca	atgcactggg	ctgactttat	420
aaattattta	ataaaatgaa	ctattatc				448

<210> 21
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 21

ggcagtgaca	ttcaccatca	tgggaaccac	cttccttttt	cttcaggatt	ctctgtagtg	60
gaagagagca	cccagtgttg	ggctgaaaac	atctgaaagt	agggagaaga	acctaaaata	120

atcagtatct	cagagggctc	taagggtgcc	agaagtctca	ctggacattt	aagtgccaac	180
aaaggcatac	tttcggaatc	gccaagtcaa	aactttctaa	cttctgtctc	tctcagagac	240
aagtgagact	caagagtcta	ctgctttagt	ggcaactaca	gaaaactggg	gttaccacaga	300
aaaacaggag	caattagaaa	tggttccaat	atttcaaagc	tccgcaaaca	ggatgtgctt	360
tcctttgccc	atttaggggt	tcttctcttt	cctttctctt	tattaaccac	t	411

<210> 22
 <211> 896
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(896)
 <223> n = A,T,C or G

<400> 22						
tgcgctgaaa	acaacggcct	cctttactgt	taaaatgcag	ccacaggtgc	ttagccgtgg	60
gcattctaac	caccagcctc	tgtggggggc	aggtggggcg	ccctgtgggc	ctctggggcc	120
acgtccagcc	tctgtcctct	gccttcogtt	cttcagacagt	gttcccggca	tccctgggtca	180
cttgggtactt	ggcgtggggc	tctgtgtctg	ctccagcagc	tcctccaggn	ggtcggcccg	240
cttcaccgca	gcctcatgtt	gtgtccggag	gctgtctcag	gcctcctcct	tcctcgcgag	300
ggctgtcttc	accctccggn	gcacctcctc	cagctccagc	tgctggcggg	cctgcagcgt	360
ggccagctcg	gccttggect	gccgcgtctc	ctcctcarag	gctgccagcc	ggtcctcgaa	420
ctcctggcgg	atcacctggg	ccaggttget	gcgtcgccta	gaaagctgct	cgttcaccgc	480
ctgcgcattc	tccagcggcc	gctccttctg	ccgcacaagg	ccctgcagac	gcagattctc	540
gccttcggcc	tccccaagct	ggcccttcag	ctccgagcac	cgtccttgaa	gcttcgcgtc	600
cgactgctcc	agctcggaga	gctcggcctc	gtacttgctc	cgtaagcgct	tgatgcggct	660
ctcggcagcc	ttctcactct	cctccttggc	cagcgccatg	tcggcctcca	gccgggtgaat	720
gaccagctca	atctccttgt	cccggccttt	ccggatttct	tccctcagct	cctgttcccg	780
gttcagcagc	cacgcctcct	ccttctctgg	gcggcggggc	tcccacgcct	gcctctccag	840
ctccagctgc	tgcttcaggg	tattcagctc	catctggcgg	gcctgcagcg	tggcca	896

<210> 23
 <211> 111
 <212> DNA
 <213> Homo sapien

<400> 23						
caacttatta	cttgaaatta	taatatagcc	tgtccgtttg	ctgtttccag	gctgtgatat	60
atcttcctag	tggtttgact	ttaaaaataa	ataaggttta	atcttctccc	c	111

<210> 24
 <211> 531
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 24						
tgcaagtcac	gggagtttat	ttattttaatt	tttttcccca	gatggagact	ctgtcgccca	60
ggctggagtg	caatgggtgtg	atcttggctc	actgcaacct	ccacctcctg	ggttcaagcg	120
attctcctgc	cacagcctcc	cgagtagctg	ggattacagg	tgcccggccac	cacaccacgc	180
taatttttat	atcttttagta	aagacagggg	ttcccatgtg	tggccaggct	ggtcttgaac	240

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ttctgacctc aggtgatcca cctgcctcgg cctcccaaag tgttgggatt acaggcgtga      300
gctaccctgt cctggccagc cactggagtt taaaggacag tcatgttggc tccagcctaa      360
ggcggcattt tccccatca gaaagcccg ggcctctgta cctcaaaata gggcacctgt      420
aaagtcagtc agtgaagtct ctgctctaac tggccaccog gggccattgg cntctgacac      480
agccttgcca ggangcctgc atctgcaaaa gaaaagttca cttcctttcc g              531

```

```

<210> 25
<211> 471
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

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<400> 25
cagagaatct kagaaagatg tcgcgttttc ttttaatgaa tgagagaagc ccatttgtat      60
ccctgaatca ttgagaaaag gcggcggtgg cgacagcggc gacctaggga tcgatctgga      120
gggacttggg gagcgtgcag agacctctag ctgcagcgcg agggacctcc cgccgggatg      180
cctggggagc agatggaccc tactggaagt cagtgggatt cagatttctc tcagcaagat      240
actccttgcc tgataattga agattctcag cctgaaagcc aggttctaga ggatgattct      300
ggttctcact tcagtatgct atctcgacac cttcctaate tccagacgca caaagaaaat      360
cctgtgttgg atgttgngtc caatccttga acaaacagct ggagaagaac gaggagaccg      420
gtaatagtgg gttcaatgaa catttgaaag aaaaccaggt tgcagaccct g              471

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```

<210> 26
<211> 541
<212> DNA
<213> Homo sapien

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```

<400> 26
gactgtcctg aacaagggac ctctgaccag agagctgcag gagatgcaga gtggtggcag      60
gagtgggaagc caaagaacac ccaccttcct cccttgaagg agtagagcaa ccatcagaag      120
atactgtttt attgctctgg tcaaacaagt ctctctgagt tgacaaaacc tcaggctctg      180
gtgacttctg aatctgcagt ccactttcca taagtctctg tgcagacaac tgttcttttg      240
cttccatagc agcaacagat gctttggggc taaaaggcat gtccctctgac cttgcagggtg      300
gtggattttg ctcttttaca acatgtacat ccttactggg ctgtgctgtc acagggatgt      360
ccttgctgga ctgttctgct atggggatat ctctgcttga ctgttcttca tgcttaattg      420
cagtattagc atccacatca gacagcctgg tataaccaga gttggtggtt actgattgta      480
gctgctcttt gtccacttca tatggcacia gtattttcct caacatcctg gctctgggaa      540
g              541

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<210> 27
<211> 461
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

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<400> 27
gaaatgtata ttttaatcatt ctcttgaacg atcagaactc traaatcagt tttctataac      60
arcattgtaac acagtcaccg tggctccaag gtccaggaag gcagtgggta acacatgaag      120
agtgtgggaa gggggctgga aacaaagtat tcttttcctt caaagcttca ttcctcaagg      180

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cctcaattca	agcagtcatt	gtccttgctt	tcaaaaagtt	gtgtgtgctt	catggaaggt	240
atatgtttgt	tgccttaatt	tgaattgtgg	ccaggaaggg	tctggagatc	taaattcaga	300
gtaagaaaac	ctgagctaga	actcaggcat	ttctcttaca	gaacttggct	tgcagggtag	360
aatgaangga	aagaaactta	gaagctcaac	aagctgaaga	taatcccatc	aggcatttcc	420
cataggcctt	gcaactctgt	tcactgagag	atgttatcct	g		461

<210> 28
 <211> 541
 <212> DNA
 <213> Homo sapien

<400> 28						
agtctggagt	gagcaaacaa	gagcaagaaa	caarragaag	ccaaaagcag	aaggctccaa	60
tatgaacaag	ataaatctat	cttcaaagac	atattagaag	ttgggaaaat	aattcatgtg	120
aactagacaa	gtgtgttaag	agtgataagt	aaaatgcacg	tggagacaag	tgcattccca	180
gatctcaggg	acctccccct	gcctgtcacc	tggggagtga	gaggacagga	tagtgcattg	240
tctttgtctc	tgaattttta	gttatatgtg	ctgtaatgtt	gctctgagga	agcccctgga	300
aagtctatcc	caacatatcc	acatcttata	ttccacaaat	taagctgtag	tatgtaccct	360
aagacgctgc	taattgactg	ccacttcgca	actcaggggc	ggctgcattt	tagtaatggg	420
tcaaatgatt	cactttttat	gatgcttccc	aagggtgcctt	ggcttctctt	cccaactgac	480
aaatgcccaa	gttgagaaaa	atgatcataa	tttttagcata	aaccgagcaa	tcggcgaccc	540
c						541

<210> 29
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 29						
tagctgtctt	cctcactctt	atggcaatga	ccccatatct	taatggatta	agataatgaa	60
agtgtatttc	ttacactctg	tatctatcac	cagaagctga	ggtgatagcc	cgcttgtcat	120
tgtcatccat	attctgggac	tcaggcggga	actttctgga	atattgccag	ggagcatggc	180
agagggggcac	agtgcattct	gggggaatgc	acattggctc	agcctgggta	atgagtgata	240
tacattacct	ctgttcacaa	ctcattgccc	agcaccagtc	acaaggcccc	accaaatacc	300
agagcccaag	aaatgtagtc	ctgttgatat	ggttttgctg	tgtcccaacc	caaatctcat	360
cttgaattgt	aagctcccat	aattcccatg	tgttgtggga	gggacctggt	g	411

<210> 30
 <211> 511
 <212> DNA
 <213> Homo sapien

<400> 30						
atcatgagga	tgttaccaaa	gggatggtag	taaaccattt	gtattcgtct	gttttcacac	60
tgctttgaag	atactacctg	agactgggta	atttataaac	aaaagagatt	taattgactc	120
acagttctgc	atggctgaag	aggcctcagg	aaacttacag	tcatgggtga	aggcaaagga	180
ggagcaaggc	atgtcttaca	tgtcagtagg	agagagagcg	agagcaggag	aacctgccac	240
ttataaacca	ttcagatctc	ataactccct	atcatgagaa	aaacatggag	gaaaccaccc	300
tcatgatcca	atcacctccc	gccagggtccc	tccctcgaca	cgtggggatt	ataattcagg	360
attagaggga	cacagagaca	aaccatatca	tcattcatga	gaaatccacc	ctcatagtcc	420
aatcagctcc	taccaggccc	cacctccaac	actggggatt	gcaattcaac	atgagatttg	480
gatggggaca	cagattcaaa	ccatatcata	c			511

<210> 31
 <211> 827
 <212> DNA
 <213> Homo sapien

<400> 31

catggccttt	ctccttagag	gccagaggtg	ctgccctggc	tgggagtgaa	gctccaggca	60
ctaccagctt	tcctgatttt	cccgttttgt	ccatgtgaag	agctaccacg	agccccagcc	120
tcacagtgtc	cactcaaggg	cagcttggtc	ctcttgctct	gcagaggcag	gctggtgtga	180
ccctgggaac	ttgaccoggg	aacaacaggt	ggcccagagt	gagtgtggcc	tggcccctca	240
acctagtgtc	cgtcctcttc	tctcctggag	ccagtcttga	gtttaaaggc	attaagtgtt	300
agatacaagc	tccttggtgg	tggaaaaaca	cccctctgct	gataaagctc	agggggcact	360
gaggaagcag	aggccccttg	ggggtgccct	cctgaagaga	gcgtcaggcc	atcagctctg	420
tcctctgtgt	gctcccacgt	ctgttcctca	ccctccatct	ctgggagcag	ctgcacctga	480
ctggccacgc	gggggcagtg	gaggcacagg	ctcagggtgg	ccgggctacc	tggcaccccta	540
tggcttacaa	agtagagttg	gcccagtttc	cttccacctg	aggggagcac	tctgactcct	600
aacagtcttc	cttgccctgc	catcatctgg	ggtggctggc	tgtcaagaaa	ggccgggcat	660
gcttttctaaa	cacagccaca	ggaggcttgt	agggcatctt	ccagggtggg	aaacagtctt	720
agataagtaa	ggtgacttgc	ctaaggcctc	ccagcaccct	tgatcttgga	gtctcacagc	780
agactgcatg	tsaacaactg	gaaccgaaaa	catgcctcag	tataaaa		827

<210> 32

<211> 291

<212> DNA

<213> Homo sapien

<400> 32

ccagaacctc	cttctctttg	gagaatgggg	aggcctcttg	gagacacaga	gggtttcacc	60
ttggatgacc	tctagagaaa	ttgcccaga	agccacctt	ctggtcccaa	cctgcagacc	120
ccacagcagt	cagttgggtc	ggccctgctg	tagaagggtc	cttgggtcca	ttgcctgctt	180
ccaaccaatg	ggcaggagag	aaggccttta	tttctcgccc	acccattctc	ctgtaccagc	240
acctccggtt	tcagtcagyg	ttgtccagca	acggtaccgt	ttacacagtc	a	291

<210> 33

<211> 491

<212> DNA

<213> Homo sapien

<400> 33

tgcattgtagt	tttatttatg	tgttttsgtc	tggaaaacca	agtgtcccag	cagcatgact	60
gaacatcact	cacttcccct	acttgatcta	caaggccaac	gccgagagcc	cagaccagga	120
ttccaaacac	actgcacgag	aatattgtgg	atccgctgtc	aggtaagtgt	ccgtcactga	180
cccaracgct	gttacgtggc	acatgactgt	acagtgccac	gtaacagcac	tgtacttttc	240
tcccatgaac	agttacctgc	catgtatcta	catgattcag	aacattttga	acagttaatt	300
ctgacacttg	aataatccca	tcaaaaaccg	taaaatcact	ttgatgtttg	taacgacaac	360
atagcatcac	tttacgacag	aatcatctgg	aaaaacagaa	caacgaatac	atacatctta	420
aaaaatgctg	gggtgggcca	ggcacagctt	cacgcctgta	atcccagcac	tttgggaggc	480
ttaagcgggt	g					491

<210> 34

<211> 521

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(521)

<223> n = A,T,C or G

<400> 34

tggggcgga	agaagccaag	gccaaaggagc	tggtgctggca	gctgcagctg	gaggccgagg	60
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agcagaggaa gcagaagaag cggcagagtg tgtcgggcct gcacagatac cttcacttgc 120
tggatggaaa tgaaaattac ccgtgtcttg tggatgcaga cggatgatgtg atttccttcc 180
caccaataac caacagttag aagacaaagg ttaagaaaac gacttctgat ttgttttttg 240
aagtaacaag tgccaccagt ctgcagattt gcaaggatgt catggatgcc ctcattctga 300
aaatggcaag aaatgaaaaa gtacacttta gaaaataaag aggaaggatc actctcagat 360
actgaagccg atgcagtctc tggacaactt ccagatccca caacgaatcc cagtgcctgga 420
aaggacgggc ccttccttct ggtggtggaa cangtcccgg tggatgatct tggaanggaa 480
cctgaangtg gtgtaccccg tccaaggccg accttgcca c 521

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<210> 35
<211> 161
<212> DNA
<213> Homo sapien

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```

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

```

```

<400> 35
tcccgcgctc gcagggcncg tgccacctgc cygtccgccc gctcgctcgc tcgcccgcgc 60
cgccgcgctg ccgaccgyca gcatgctgcc gagagtgggc tgcccgcgcg tgccgctgcc 120
gccgcgcgcg ctgctgccgc tgetgccgct gctgctgctg c 161

```

```

<210> 36
<211> 341
<212> DNA
<213> Homo sapien

```

```

<400> 36
ggcgggtagg catggaactg agaagaacga agaagctttc agactacgtg gggaagaatg 60
aaaaaaccaa aattatcgcc aagattcagc aaaggggaca gggagctcca gcccgagagc 120
ctattattag cagtgaggag cagaagcagc tgatgctgta ctatcacaga agacaagagg 180
agctcaagag attggaagaa aatgatgatg atgcctatct aaactcacca tgggcggata 240
acactgcttt gaaaagacat tttcatggag tgaaagacat aaagtggaga ccaagatgaa 300
gttcaccagc tgatgacact tccaaagaga ttagctcacc t 341

```

```

<210> 37
<211> 521
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 37
tctgaagggt aaatgtttca tctaaatagg gataatgrta aacacctata gcatagagtt 60
gtttgagatt aaatgagata atacatgtaa aattatgtgc ctggcataca gcaagattgt 120
tgttgtgtgt gatgatgatg atgatgatga taatattttt ctatccccag tgcacaactg 180
cttgaacctt ttagataatc aatacatgtt tcttgaactg agatcaattt ccccatgttg 240
tctgactgat gaagccctac attttcttct agaggagatg acatttgagc aagatcttaa 300
agaaaatcag atgccttcac ctgaccactg cttggtgatc ccatggcact ttgtacatct 360
ctccattagc tctcatctca ccagcccatc attattgtat gtgctgcctt ctgaagcttg 420
cagctggcta ccatcmggtg gaataaaaaa catcctttca taaaatagtg accctccttt 480
tttatttgca tttcccaaag ccaagcaccg tggganggta g 521

```


<210> 38
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 38

tatgaagaag	ggaaaagaag	ataatttgtg	aaagaaatgg	gtccagttac	tagtctttga	60
aaagggtcag	tctgtagctc	ttcttaaatga	gaataggcag	ctttcagttg	ctcaggggtca	120
gatttcctta	gtggtgtatc	taatcacagg	aaacatctgt	ggttccctcc	agtctctttc	180
tgggggactt	gggcccactt	ctcatttcat	ttaattagag	gaaatagaac	tcaaagtaca	240
atttactgtt	gtttaacaat	gccacaaaga	catggttggg	agctatttct	tgatttgtgt	300
aaaatgctgt	ttttgtgtgc	tcataatggg	tccaaaaatt	gggtgctggc	caaagagaga	360
tactgttaca	gaagccagca	agaagacctc	tgttcattca	cacccccggg	gatatcagga	420
attgactcca	gtgtgtgcaa	atccagtttg	gcctatcttc	t		461

<210> 39
 <211> 769
 <212> DNA
 <213> Homo sapien

<400> 39

tgagggactg	attggtttgc	tctctgctat	tcaattcccc	aagcccactt	gttcctgcag	60
cgtcctcctt	ctcattccct	ttagttgtac	cctctctttc	atctgagacc	tttccttctt	120
gatgtgcctt	tttcttcttc	ttgctttttc	tgatgttctg	ctcagcatgt	tctgggtgct	180
tctcatctgc	atcattccct	tcagatgctg	tagcttcttc	ctcctctttc	tgccctcttt	240
tctttttctt	ttttttgggg	ggcttgctct	ctgactgcag	ttgaggggoc	ccaggggtcct	300
ggcctttgag	acgagccagg	aaggcctgct	cctgggcctc	taggcgagca	agcttggcct	360
tcattgtgat	ccaagacggg	gcagccttgt	gtgctgttcg	cccctcacag	gcttgagaca	420
gcattctcat	agtcagaatc	tttggggact	tggaacctcg	ggtgtcgtca	tcactgcagc	480
tctccaagtc	tttgtttggc	ttctctccac	ctgaagtcaa	tgtagccatc	ttcacaaact	540
tctgatacag	caagttgggc	ttgggatgat	tataacgggt	ggctctcctta	gaaaggctcc	600
ttatctgtac	tccatcctgc	ccagtttcca	ctaccaagtt	ggccgcagtc	ttgttgaaga	660
gctcattcca	ccagtgggtt	gtgaactcct	tggcagggtc	atgtcctacc	ccatgagtgt	720
cttgcttcag	ygtcacctcg	agagcctgag	tgataccatt	ctccttccg		769

<210> 40
 <211> 292
 <212> DNA
 <213> Homo sapien

<400> 40

gacaacatga	aataaatcct	agaggacaaa	attaaactca	atagagtgtg	gtctagttaa	60
aaactcgaaa	aatgagcaag	tctggtggga	gtggaggaag	ggctatacta	taaattccaag	120
tgggcctcct	gatcttaaca	agccatgctc	attatacaca	tctctgaact	ggacatacca	180
cctttacgca	ggaaacaggg	cttgggaact	ctaagggaaa	ttaacatgca	ccacccacat	240
ctaacctacc	tgccgggtag	gtaccatccc	tgcttcgctg	aaatcagtg	tc	292

<210> 41
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 41

ttggaattaa	ataaacctgg	aacaggggaag	gtgaaagtgg	gagtgagatg	tcttccatat	60
ctataccttt	gtgcacagtt	gaatgggaac	tgtttgggtt	tagggcatct	tagagttgat	120
tgatggaaaa	agcagacagg	aactggtggg	aggtcaagtg	gggaagtggg	tgaatgtgga	180

ataacttacc	tttgtgctcc	acttaaacca	gatgtgttgc	agctttcctg	acatgcaagg	240
atctacttta	attccacact	ctcattaata	aattgaataa	aagggaatgt	tttggcacct	300
gatataatct	gccaggctat	gtgacagtag	gaaggaaatg	tttcccctaa	caagcccaat	360
gcactgggtct	gactttataa	attattttaat	aaaatgaact	attatc		406

<210> 42
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 42						
aaactggacc	tgcaacaggg	acatgaattt	actgcarggt	ctgagcaagc	tcagcccctc	60
tacctcaggg	ccccacagcc	atgactacct	cccccaggag	cgggaggggtg	aagggggcct	120
gtctctgcaa	gtggagccag	agtggaggaa	tgagctctga	agacacagca	cccagccttc	180
tcgcaccagc	caagccttaa	ctgcctgcct	gaccctgaac	cagaacccag	ctgaactgcc	240
cctccaaggg	acaggaaggc	tgggggaggg	agtttacaac	ccaagccatt	ccaccccctc	300
ccctgctggg	gagaatgaca	catcaagctg	ctaacaattg	ggggaagggg	aaggaagaaa	360
actctgaaaa	caaatcttg	t				381

<210> 43
 <211> 451
 <212> DNA
 <213> Homo sapien

<400> 43						
catgcgtttc	accactgttg	gccaggctgg	tctcgaactc	ctggcctcaa	gcaatccacc	60
cgcctcagcc	tccaaaagtg	ctgggattac	agatgtgagc	catggcacca	tgccaaaagg	120
ctatatctct	ggctctgtgt	ttccgagact	gctttttaatc	ccaacttctc	tacatttaga	180
ttaaaaaata	ttttattcat	ggtcaatctg	gaacataatt	actgcatctt	aagtttccac	240
tgatgtatat	agaaggctaa	aggcacaatt	tttatcaaat	ctagtagagt	aaccaaacat	300
aaaatcatta	attactttca	acttaataac	taattgacat	tcctcaaaag	agctgttttc	360
aatcctgata	ggttctttat	tttttcaaaa	tatatattgc	atgggatgct	aatttgcaat	420
aaggcgcata	atgagaatac	cccaaactgg	a			451

<210> 44
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 44						
gttggacccc	cagggactgg	aaagacactt	cttgcccag	ctgtggcggg	agaagctgat	60
gttccttttt	attatgcttc	tggatccgaa	tttgatgaga	tgtttgtggg	tgtgggagcc	120
agccgtatca	gaaatctttt	tagggaagca	aaggcgaatg	ctccttgtgt	tatatttatt	180
gatgaattag	attctgttgg	tgggaagaga	attgaatctc	caatgcatcc	atattcaagg	240
cagaccataa	atcaacttct	tgctgaaatg	gatggtttta	aacccaatga	aggagttatc	300
ataataggag	ccacaaactt	cccagaggca	ttagataatg	ccttaatacc	gtcctgggtcg	360
ttttgacatg	caagttacag	ttccaaggcc	agatgtaaaa	ggtcgaacag	aaattttgaa	420
atggtatctc	aataaaaataa	agtttgatca	atcccgttga	tccagaaatt	atagcctcga	480
ggtactggtg	gcttttccgg	aagcagagtt	gggagaatct	t		521

<210> 45
 <211> 585
 <212> DNA
 <213> Homo sapien

<400> 45						
gcctacaaca	tccagaaaga	gtctaccctg	cacctggtgc	tscgtctcag	aggtgggatg	60

cagatcttcg	tgaagaccct	gactggtaag	accatcactc	tcgaagtgga	gccgagtgc	120
accatygaga	acgtcaaagc	aaagatccar	gacaaggaag	gcrtycctcc	tgaccagcag	180
aggttgatct	ttgccgga	gcagctggaa	gatggdcgca	ccctgtctga	ctacaacatc	240
cagaaagagt	cyaccctgca	cctgggtgctc	cgtctcagag	gtgggatgca	ratcttcgtg	300
aagaccctga	ctggtaagac	catcacccctc	gaggtggagc	ccagtgcacac	catcgagaat	360
gtcaaggcaa	agatccaaga	taaggaaggc	atccctcctg	atcagcagag	gttgatcttt	420
gctgggaaac	agctggaaga	tggacgcacc	ctgtctgact	acaacatcca	gaaagagtcc	480
actctgcact	tggctcctgcg	cttgaggggg	ggtgtctaag	tttccccttt	taaggtttcm	540
acaaatttca	ttgcactttc	ctttcaataa	agttgttgca	ttccc		585

<210> 46

<211> 481

<212> DNA

<213> Homo sapien

<400> 46

gaactgggccc	ctgagcccaa	gtcatgcctt	gtgtccgcat	ctgccgtgtc	acctctgtkc	60
ctgccccctca	cccctccctc	ctgggtcttct	gagccagcac	catctccaaa	tagcctattc	120
cttcctgcaa	atcacacaca	catgcggggcc	acacatacct	gctgccctgg	agatggggaa	180
gtaggagaga	tgaatagagg	cccatacatt	gtacagaagg	aggggcaggt	gcagataaaa	240
gcagcagacc	cagcggcagc	tgaggtgcat	ggagcacggt	tggggccggc	attgggctga	300
gcacctgatg	ggcctcatct	cgtgaatcct	cgaggcagcg	ccacagcaga	ggagttaagt	360
ggcacctggg	ccgagcagag	caggagactg	agggtcagag	tggaggctaa	gctgccctgg	420
aactcctcaa	tcttgccctgc	cccctagtat	gaagccccct	tctgccccct	acaattcctg	480
a						481

<210> 47

<211> 461

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(461)

<223> n = A,T,C or G

<400> 47

atggatctta	ctttgccacc	caggtttggag	tgacgtgctg	caatcttggc	tcaactgcagc	60
cttaacctcc	caggctcaag	ctatcctcct	gccaaagcct	tccacatagc	tgggactaca	120
ggtacacngc	caccacaccc	agctaaaatt	tttgtatttt	ttgtagagac	gggatctcgc	180
cacgttgccc	aggctgggtcc	catcctgacc	tcaagcagat	ctgcccacct	cagcccccca	240
acgtgctagg	attacaggcg	tgagccaccg	cacccagcct	ttgttttgct	tttaatggaa	300
tcaccagttc	ccctccgtgt	ctcagcagca	gctgtgagaa	atgctttgca	tctgtgacct	360
ttatgaagg	gaacttccat	gctgaatgag	ggtaggatta	catgctcctg	tttcccgggg	420
gtcaagaaag	cctcagactc	cagcatgata	agcaggggtga	g		461

<210> 48

<211> 571

<212> DNA

<213> Homo sapien

<400> 48

ataggggctt	taaggaggga	attcaggttc	aatgaggtcg	taaggccagg	gctcttatcc	60
agtaagactg	gggtcccttag	atgagaaaga	gacacccgag	gtccttctct	ctgccgtgtg	120
aggatgcac	aagaaggcgg	ccgtctgcaa	gcgaaggaga	ggccgcacca	gaaaccgaca	180
ccttcatctt	ggacttgacg	cctctagaac	tgagaaaata	actgtctgtt	ggttaagcca	240
cccagtttgt	agtattctct	tatggcttcc	taagcagact	aacaaacaaa	cacccaaaat	300

taactgatgg	cttcgctgtc	ttctgtaaaa	attgctatga	gagaactttt	cactcactgt	360
tttgcagttt	ctccctcagt	ccctgggttct	ttcttctcac	ataatcccaa	tttcaattta	420
tagttcatgg	cccaggcaga	gtcattcatc	acggcatctc	ctgagctaaa	ccagcacctg	480
ctctgctcac	ttcttgactg	gctgctcatc	atcagccctc	ttgcagagat	ttcatttcct	540
cccgtgccag	gtacttcaag	caccaagctc	a			571

<210> 49

<211> 511

<212> DNA

<213> Homo sapien

<400> 49

ggataatgaa	gttggttttat	ttagcttgga	caaaaaggca	tattcctcta	ttttcttata	60
caacaaatat	ccccaaaata	aagcaagcat	atatatcttg	aatgtgtaat	aatccagtga	120
taaacaagag	cagtacttta	aaagaaaaaa	aaatatgtat	ttctgtcagg	ttaaaatgag	180
aatcaaaacc	atttactctg	ctaactcatt	atTTTTTgct	ttctTTTTTg	ttaagagagg	240
caatgcaata	cactgaaaaa	ggTTTTTatc	ttatctggca	ttggaattag	acatattcaa	300
accccagccc	ccatttccaa	actttaagac	cacaaacaag	taatttactt	ttctgaacat	360
tggTTTTTtc	tggaaaatgg	gaattataaa	atagactttg	cagactctta	tgagattaaa	420
taagataatg	tatgaaattc	tttcttcttt	tttacttctt	tttctTTTTt	gagatggagt	480
ctcaccccg	caccaggct	ggagtacagt	g			511

<210> 50

<211> 561

<212> DNA

<213> Homo sapien

<400> 50

ccactgcact	ccagcctggg	tgacggagtg	agactctgtc	tcaaaaaaac	aaacaaacaa	60
acaaacaaaa	aactgaaaag	gaaatagagt	tcctctttcc	tcatatatga	atatattatt	120
tcaacagatt	gttgatcacc	taccatatgc	ttggtattgt	tctaattgct	ggggatacag	180
caagaggttc	tgcagaactt	catggagcat	gaaagtaa	aaacaaagtt	aatttcaagg	240
ccaggcatgg	ttgctcacac	ctttagtccc	agcactttgg	gaggctgagg	caggtggatc	300
acttggggccc	aggagttcaa	ggctgcagtg	agccaagatt	gtgccactac	tctccaggct	360
gggcaacaga	gcaagaccct	gtctcagggg	gaacaaaaag	ttaatttcag	attttgttaa	420
gtgctgtaaa	ggaagtaaat	aggttgatat	tcaagagagc	acctgaaggc	caggcgtggg	480
ggctcacgcc	tgtggtctaa	cgctttggga	agcccgagcg	ggcggatcac	aaggtcagga	540
gaattttggc	caggcatggg	g				561

<210> 51

<211> 451

<212> DNA

<213> Homo sapien

<400> 51

agaatccatt	tattgggttt	taaactagtt	acacaactga	aatcagtttg	gcactacttt	60
atacagggat	tacgcctgtg	tatgccgaca	cttaaatact	gtaccaggac	cactgctgtg	120
cttaggtctg	tattcagtca	ttcagcatgt	agatactaaa	aatatactgt	agtgttcctt	180
taagggaagac	tgtacagggt	gtgttgcaag	atgacattca	ccaattttgtg	aattatttca	240
accagaaga	tacctttcac	tctataaact	tgtcataggc	aaacatgtgg	tgtagcatt	300
gagagatgca	cacaaaaatg	ttacataaaa	gttcagacat	tctaatagata	agtgaactga	360
aaaaaaaaaa	aacccacat	ctcaattttt	gtaacaagat	aaagaaaata	atttaaaaac	420
acaaaaaatg	gcattcagtg	ggtacaaagc	c			451

<210> 52

<211> 682

<212> DNA

<213> Homo sapien

<400> 52

caaataattta	atataaatct	ttgaaacaag	ttcagakgaa	ataaaaaatca	aagttttgcaa	60
aaacgtgaag	attaacttaa	ttgtcaaata	ttcctcattg	ccccaaatca	gtatTTTTTT	120
tatttctatg	caaaagtatg	ccttcaaact	gcttaaata	tatatgat	gatacacaaa	180
ccagttttca	aatagtaaag	ccagtcattc	tgcaattgta	agaaatagg	aaaagattat	240
aagacacctt	acacacacac	acacacacac	acacacacgt	gtgcaccgcc	aatgacaaaa	300
aacaatttgg	cctctcctaa	aataagaaca	tgaagacctt	taattgctgc	caggagggaa	360
cactgtgtca	cccctcccta	caatccaggt	agtttccctt	aatccaatag	caaattctggg	420
catatttgag	aggagtgtat	ctgacagcca	csgttgaaat	cctgtgggga	accattcatg	480
tccacccact	ggtgccctga	aaaaatgcc	ataatttttc	gtcccaactt	ctgctgctgt	540
ctcttccaca	tcctcacata	gacccagac	ccgctggccc	ctggctgggc	atcgcttgc	600
tggtagagca	agtcattagt	ctcgtctttg	acgtcacaga	agcgatacac	caaattgcct	660
ggtcggtcac	tgtcataacc	ag				682

<210> 53

<211> 311

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(311)

<223> n = A,T,C or G

<400> 53

tttgacttta	gtaggggtct	gaactattta	ttttactttg	ccmgtaatat	ttaraccyta	60
tatatctttc	attatgccat	cttatcttct	aatgbcaagg	gaacagwtgc	taamctggct	120
tctgcattwa	tcacattaaa	aatggctttc	ttggaaaatc	ttcttgatat	gaataaagga	180
tcttttavag	ccatcattta	aagcmggnnt	ctctccaaca	cgagctctgt	sasgggggk	240
gagctgtgaa	ctctggctga	aggctttccc	atacacactg	caatgacmtg	gtttctgacc	300
agbgtgagtt	a					311

<210> 54

<211> 561

<212> DNA

<213> Homo sapien

<400> 54

agagaagccc	cataaatgca	atcagtgtgg	gaaggccttc	agtcagagct	caagcctttt	60
cctccatcat	cgggttcata	ctggagagaa	accctatgta	tgtaatgaat	gcggcagagc	120
ctttggtttt	aactctcatc	ttactgaaca	cgtaaggatt	cacacaggag	aaaaacccta	180
tgtttgtaat	gagtgcggca	aagcctttcg	tcggagttcc	actcttggtc	agcatcgaag	240
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ctcccagctc	accctacatc	agccgagttc	acactggaga	gaagccctat	gactgtggtg	360
actgtgggaa	ggccttcagc	cggaggtcaa	ccctcattca	gcatcagaaa	gttcacagcg	420
gagagactcg	taagtgcaga	aaacatggtc	cagcctttgt	tcattggctcc	agcctcacag	480
cagatggaca	gattcccact	ggagagaagc	acggcagaac	ctttaaccat	ggtgcaaatc	540
tcattctgcg	ctggacagtt	c				561

<210> 55

<211> 811

<212> DNA

<213> Homo sapien

<400> 55

gagacaggg	ctcactttgt	cacccaggct	ggaatgcagt	ggtgcgatct	tacgtagctc	60
actgcagccc	tgacctcctg	gactcaaaca	attctcctgc	ctcagccctg	caagtagctg	120
ggactgtggg	tgcattgccac	catgcctggc	taacttttgt	agtttttgta	aagatgggg	180
tttgccatgt	tgcacatgct	ggtcttgaac	tcctgagctc	aaacgatctg	cccacctcgg	240
cctcccagaa	tggtgggatt	acaggggtaa	accaccacgc	ctggcccat	tagggatttc	300
ttagcatcca	cttgctcact	gagattaatc	ataagagatg	ataagcactg	gaagaaaaaa	360
atttttacta	ggcttttgat	atttttttcc	tttttcagct	ttatacagag	gattggatct	420
ttagttttcc	tttaactgat	aataaaacat	tgaaaggaaa	taagtttacc	tgagattcac	480
agagataacc	ggcatcactc	ccttgctcaa	ttccagtctt	taccacatca	attattttca	540
gaggtgcagg	ataaaggcct	ttagtctgct	ttcgcacttt	ttcttccact	tttttgtaaa	600
cctgttgctc	gacaaatgga	attgacagcg	tatgccatga	ctattccatt	tgtcaggcat	660
acgctgtcaa	tttttccacc	aatcccttgt	ctctctttgg	agagatcttc	ttatcagcta	720
gtcctttggc	aaaagtaatt	gcaacttctt	ctagggtattc	tattgtccgt	tccactgggtg	780
gaacccctgg	gaccaggact	aaaacctcca	g			811

<210> 56
 <211> 591
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 56						
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tcacagagac	caaaatagag	cggctttctg	gtggaacgca	tggcagtcac	aggacaaaat	120
acaaaactag	ggggctctgt	cttctcatac	atcatacaat	tttcaagtat	tttttttatg	180
tacaaagagc	tactctatct	gaaaaaaaat	taaaaaataa	atgagacaag	atagttttatg	240
catcctagga	agaaagaatg	ggaagaaaga	acggggcagt	tgggtacaga	ttcctgtccc	300
ctgttcccag	ggaccactac	cttcctgcc	ctgagttccc	ccacagcctc	acccatcatg	360
tcacagggca	agtgccagg	taggtgggga	ccagtggaga	caggaaccag	caacatactt	420
tggcctggaa	gataaggaga	aagtctcaga	aacacactgg	tgggaagcaa	tcccacnggc	480
cgtgccccan	gagcttccca	cctgctgctg	gctccctggg	tggctttggg	aacagcttgg	540
gcaggccctt	ttgggtgggg	nccaactggg	cctttggggc	cgtgtggaaa	g	591

<210> 57
 <211> 481
 <212> DNA
 <213> Homo sapien

<400> 57						
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aattatgatt	tatagccttc	tcaaatacct	gccatacttg	atatctcaac	cagagcta	120
tttacctctt	tacaaattaa	ataagcaagt	aactggatcc	acaatttata	atacctgtca	180
attttttctg	tattaaacct	ctatcatagt	ttaagcctat	tagggactt	aatccttaca	240
aataaacagg	tttaaaatca	cctcaatagg	caactgccct	tctggttttc	ttctttgact	300
aaacaatctg	aatgcttaag	attttccact	ttgggtgcta	gcagtacaca	gtgttacact	360
ctgtattcca	gacttcttaa	attatagaaa	aaggaatgta	cactttttgt	attctttctg	420
agcagggccg	ggaggcaaca	tcacttacca	tggtagggac	ttgtatgcat	ggactacttt	480
a						481

<210> 58
 <211> 141
 <212> DNA
 <213> Homo sapien

<400> 58
 actctgtcgc ccaggctgga gccabtggm gcgatctcga ctccctgcaa gctmcgcctc 60
 acaggwtcat gccattctcc tgcctcagca tctggagtag ctgggactac aggcgccagc 120
 caccatgccc agctaatttt t 141

<210> 59
 <211> 191
 <212> DNA
 <213> Homo sapien

<400> 59
 accttaaaga cataggagaa tttatactgg gagagaaagc ttacaaatgt aaggtttctg 60
 acaagacttg ggagtgattc acacctggaa caacatactg gacttcacac tggabagaaa 120
 ccttacaagt gtaatgagtg tggcaaagcc tttggcaagc agtcaacact tattcaccat 180
 caggcaattc a 191

<210> 60
 <211> 480
 <212> DNA
 <213> Homo sapien

<400> 60
 agtcaggatc atgatggctc agtttcccac agcgatgaat ggagggccaa atatgtgggc 60
 tattacatct gaagaacgta ctaagcatga taaacagttt gataacctca aaccttcagg 120
 aggttacata acagggtgatc aagcccgtac ttttttccta cagtcaggtc tgccggcccc 180
 ggttttagct gaaatatggg ccttatcaga tctgaacaag gatgggaaga tggaccagca 240
 agagttctct atagctatga aactcatcaa gttaaagtgt cagggccaac agctgcctgt 300
 agtcctccct cctatcatga aacaaccccc tatgttctct ccactaatct ctgctcgttt 360
 tgggatggga agcatgcca atctgtccat tcatcagcca ttgcctccag ttgcacctat 420
 agcaacaccc ttgtcttctg ctacttcagg gaccagtatt cctccctaata gatgcctgct 480

<210> 61
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 61
 ctttcgattt ccttcaattt gtcacgtttg attttatgaa gttgttcaag ggctaactgc 60
 tgtgtattat agctttctct gagttccttc agctgattgt taaatgaatc catttctgag 120
 agcttagatg cagtttcttt ttcaagagca tctaattgtt ctttaagtct ttggcataat 180
 tcttcctttt ctgatgactt tctatgaagt aaactgatcc ctgaatcagg tgtgttactg 240
 agctgcatgt ttttaattct ttcgtttaat agctgcttct cagggaccag atagataagc 300
 ttattttgat attccttaag ctcttggtga agttgttcga tttccataat ttccagggtca 360
 cactggttat cccaaacttc t 381

<210> 62
 <211> 906
 <212> DNA
 <213> Homo sapien

<400> 62
 gtggagggtga aacggaggca agaaaggggg ctacctcagg agcgaggagc aaagggggcg 60
 tgaggcacct aggcgcgggc accccggcga caggaagccg tcctgaaccg ggctaccggg 120
 taggggaagg gcccgcgtag tctcgcagg gccccagagc tggagtcggc tccacagccc 180
 cgggcccgtcg gcttctcact tcttgacact ccccgccgag cgggcctgag gactggctcg 240
 gcggagggag aagaggaaac agacttgagc agctccccgt tgtctcgcaa ctccactgcc 300

gaggaactct	catttcttcc	ctcgtctcctt	cacccccccac	ctcatgtaga	aaggtgctga	360
agcgtccgga	gggaagaaga	acctgggcta	ccgtcctggc	cttcccmccc	ccttcccggg	420
gcgctttggt	gggcgtggag	ttgggggttg	gggggtgggt	gggggttctt	ttttggagtg	480
ctggggaaact	tttttccctt	cttcaggtca	ggggaaagg	aatgcccaat	tcagagagac	540
atgggggcaa	gaaggacggg	agtggaggag	cttctggaac	tttgcagccg	tcacggggag	600
gcggcagctc	taacagcaga	gagcgtcacc	gcttgggtatc	gaagcacaag	cggcataagt	660
ccaaacactc	caaagacatg	gggttgggtga	ccccgaagc	agcatccctg	ggcacagtta	720
tcaaaccttt	ggtggagtat	gatgatata	gctctgattc	cgacaccttc	tccgatgaca	780
tggccttcaa	actagaccga	agggagaacg	acgaacgtcg	tggatcagat	cggagcgacc	840
gcctgcacaa	acatcgtcac	caccagcaca	ggcgttccc	ggacttacta	aaagctaaac	900
agaccg						906

<210> 63
 <211> 491
 <212> DNA
 <213> Homo sapien

<400> 63

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tgcttccaga	gaggatggg	acagctctca	ggtcagaatc	caggctgaga	aggccatgct	120
ggttgggggc	ccccggaagc	acggtccgga	tcctccctgg	catcagcgta	gacccgctgc	180
tcaggcttgg	ggtaccaaac	tcagtgtctg	tactgttttg	gccccatgcg	gtgagaggaa	240
aacctagaaa	aagattgggtc	gtgctaagga	atcagctgcc	ccctcatcct	ccgcatccaa	300
tgctgggtgac	aacatattcc	ctctcccagg	acacagactc	ggtgactcca	caactgggctg	360
agtggcctct	ggaggctcgt	ggcctaaggc	agggctccgt	aaggctgata	ggctgaactg	420
ggtgggggtga	gggtttctga	cccttcgctt	cccatcccat	aaccgctgtc	aatgagctca	480
cactgtggtc	a					491

<210> 64
 <211> 511
 <212> DNA
 <213> Homo sapien

<400> 64

gatggcatgg	tcgttgctaa	tgtgcctgct	gggatggagc	acttcctcct	gtgagcccag	60
gggacccgcc	tgtccctgga	gcttggggca	aggaggggaag	agtgatacca	ggaaggtggg	120
gctgcagcca	ggggccagag	tcagttcagg	gagtggctct	cggccctcaa	agctcctccg	180
gggactgctc	aggagtgatg	gtgccctgga	gtttgcccc	acttcctcct	ccaccctgga	240
aggtgcctgg	ctgctccagg	cctctaggct	gggctgatgg	gtttctccag	gacacaagta	300
tcattaaagc	cacctctctc	tcagcttgct	aggccgcaca	tgtgggacag	gctgtgctca	360
caacccccctc	gctgcccctg	ccctccatca	ggaggagcca	gtggaacctt	cggaaagctc	420
ccagcatctc	agcagccctc	aaaagtcgtc	ctggggcaag	ctctggttct	cctgactgga	480
ggtcatctgg	gcttggcctg	ctctctctcg	c			511

<210> 65
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 65

taaaaaagtg	taacaaaggt	ttatttagac	tttcttcatg	ccccagatc	caggatgtct	60
atgtaaaccg	ttatcttaca	aagaaagcac	aatatattgt	ataaactaag	tcagtgaactt	120
gcttaactga	aatagcgtcc	atccaaaagt	gggtttaagg	taaaactacc	tgacgatatt	180
ggcggggatc	ctgcagtttg	gactgcttgc	cgggtttgtc	cagggttccg	ggtctgttct	240
tggcactcat	ggggacaggc	atcctgctcg	tctgtggggc	cccgtggag	cccttaactg	300
aagctgaagg	tatcgaccst	agggggctct	agggcagtgg	gaccttcac	cggaaactaac	360
aagggtcggg	gagaggcctc	ttgggctatg	tggg			394

<210> 66
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 66
 caagcgttcc tttatggatg taaattcaaa cagtcattgct gagccatccc gggctgacag 60
 tcacgttwaa gacactaggt cgggcgccac agtgccaccc aaggagaaga agaatttgga 120
 atttttccat gaagatgtac ggaaatctga tgttgaatat gaaaatggcc cccaaatgga 180
 attccaaaag gttaccacag gggctgtaag acctagtac cctcctaagt gggaaagagg 240
 aatggagaat agtatttctg atgcatcaag aacatcagaa tataaaactg agatcataat 300
 gaaggaaaat tccatatcca atatgagttt actcagagac agtagaaact attcccagg 359

<210> 67
 <211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 67
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 agtggaggag gacacaggac tagcccacca ccttctcttc ccggtctccc aagatgactg 180
 cttatagagt ggaggaggca aacagggtccc ctcaatgtac cagatggtca cctatagcac 240
 cagctccaga tggccacgtg gttgcagctg gactcaatga aactctgtga caaccagaag 300
 atacctgctt tgggatgaga gggaggataa agccatgcag ggaggatatt taccatccct 360
 accctaagca cagtgcagc agtgagcccc cggtcccag tacctgaaaa accaaggcct 420
 actgnctttt ggatgctctc ttgggccacg 450

<210> 68
 <211> 511
 <212> DNA
 <213> Homo sapien

<400> 68
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 gctgagaggc aagaccgtct cctcctgct gcagctgctt cccagcagc cactgctggg 120
 cacagcagaa acgccagcag agaaaatggg agccgagagt ccttagccct ggagctgagg 180
 ctgcctctgg gctgaccgc tggctgtacg tggccagaac tggggttggc atctggcatc 240
 catttgaggc caggggtggg gaaaggagg ccaacagagg aaaacctatt cctgctgtga 300
 caacacagcc cttgtcccac gcagcctaag tgcaggagc gtgatgaagt caggcagcca 360
 gtcggggagg acgaggtaac tcagcagcaa tgtcaccttg tagcctatgc gctcaatggc 420
 ccggaggggc agcaaccccc cgcacacgtc agccaacagc agtgccctctg caggcaccaa 480
 gagagcgtg atggacttga gcgcctgtt c 511

<210> 69
 <211> 511
 <212> DNA
 <213> Homo sapien

<400> 69
 gtttggcaga agacatgttt aataacattt tcataatttaa aaaatacagc aacaattctc 60

tatctgtcca	ccatcttgcc	ttgcccttcc	tggggctgag	gcagacaaag	gaaaggtaat	120
gaggttaggg	ccccaggcg	ggctaagtgc	tattggcctg	ctcctgctca	aagagagcca	180
tagccagctg	ggcacggccc	cctagcccct	ccaggttgct	gaggcggcag	cgggtggtaga	240
gttcttcaact	gagccgtggg	ctgcagtctc	gcagggagaa	cttctgcacc	agccctggct	300
ctacggccccg	aaagagggtg	agccctgaga	accggaggaa	aacatccatc	acctccagcc	360
cctccagggc	ttcctcctct	tcctggcctg	ccagttcacc	tgccagccgg	gctcggggcg	420
ccaggtagtc	agcgttgtag	aagcagccct	ccgcagaagc	ctgccgggtca	aatctccccg	480
ctataggagc	ccccggggag	gggtcagcac	c			511

<210> 70

<211> 511

<212> DNA

<213> Homo sapien

<400> 70

caagttgaac	gtcaggcttg	gcagaggttg	agtgtagatg	aaaacaaagg	tgtgattatg	60
aagaggatgt	gagtcctttg	ggtgtaggag	agaaaggctg	ttgagcttct	atttcaagat	120
acttttacct	gtgcaaaaag	cacattttcc	acctccttct	catggcattt	gtgtaagggtg	180
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gattagcaag	ggacccctca	ctaagtgttg	atggagttag	gacagagctc	agctgtttga	300
atctcagagc	ccaggcagct	ggagctgggt	aggatcctgg	agctggcact	aatgtgaggt	360
gcattccctc	caaccaggc	tcagatccgg	aacctgaccg	tgctgacccc	cgaaggggag	420
gcagggctga	gctggcccgt	tgggctccct	gctcctttca	caccacactc	tcgctttgag	480
gtgctgggct	gggactactt	cacagagcag	c			511

<210> 71

<211> 511

<212> DNA

<213> Homo sapien

<400> 71

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gcccctggag	gagatctggc	ctctctgtga	tttcatcact	gtgcacactc	ctctcctgcc	180
ctccacgaca	ggcttgctga	atgacaacac	ctttgcccag	tgcaagaagg	gggtgcgtgt	240
ggtgaactgt	gcccgtggag	ggatcgtgga	cgaaggcgcc	ctgctccggg	ccctgcagtc	300
tggccagtgt	gccggggctg	cactggacgt	gtttacggaa	gagccgccac	gggaccgggc	360
cttgggtggac	catgagaatg	tcacagctg	tccccacctg	ggtgccagca	ccaaggaggc	420
tcagagccgc	tgtggggagg	aaattgctgt	tcagttcgtg	gacatggtga	aggggaaatc	480
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<210> 72

<211> 2017

<212> DNA

<213> Homo sapien

<400> 72

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aacagtttga	taacctcaaa	ccttcaggag	gttacataac	aggtgatcaa	gcccgtaactt	180
ttttcctaca	gtcaggctctg	ccggccccgg	tttttagctga	aatatggggc	ttatcagatc	240
tgaacaagga	tgggaagatg	gaccagcaag	agttctctat	agctatgaaa	ctcatcaagt	300
taaagttgca	gggccaacag	ctgcctgtag	tcctccctcc	tatcatgaaa	caacccccta	360
tgttctctcc	actaatctct	gctcgttttg	ggatgggaag	catgcccatt	ctgtccattc	420
atcagccatt	gcctccagtt	gcacctatag	caacaccctt	gtctttctgct	acttcaggga	480
ccagtattcc	tcccctaattg	atgcctgtct	ccctagtgcc	ttctgttagt	acatcctcat	540
taccaaattg	aactgccagt	ctcattcage	ctttatccat	tccttattct	tcttcaacat	600

tgccatcatgc	atcatcttac	agcctgatga	tgggaggatt	tggtggtgct	agtatccaga	660
aggcccagtc	tctgattgat	ttaggatcta	gtagctcaac	ttcctcaact	gcttccctct	720
cagggaactc	acctaagaca	gggacctcag	agtgggcagt	tcctcagcct	tcaagattaa	780
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aagctagaaa	tgcccttctt	cagtcaaatc	tctctcaaac	tcagctagct	actattttgga	900
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acctcactga	catggccaaa	gctggacagc	cactaccact	gacgttgctt	cccagagcttg	1020
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aacagagaga	actgcaagag	caagaatgga	agaagcagct	ggagttggag	aaacgcttgg	1320
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gagaggcagc	aaaacaggag	cttgagagac	aacgccgttt	agaatgggaa	agactccgtc	1440
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gaaagaaaag	tctccacctg	gaactggaag	cagtgaatgg	aaaacatcag	cagatctcag	1560
gcagactaca	agatgtccaa	atcagaaaagc	aaacacaaaa	gactgagcta	gaagtttttg	1620
ataaacagtg	tgacctgga	attatggaaa	tcaaacaact	tcaacaagag	cttaaggaat	1680
atcaaaataa	gcttatctat	ctggtccctg	agaagcagct	attaaacgaa	agaattaaaa	1740
acatgcagct	cagtaacaca	cctgattcag	ggatcagttt	acttcataaa	aagtcatcag	1800
aaaaggaaga	attatgccaa	agacttaaa	aacaattaga	tgctcttgaa	aaagaaactg	1860
catctaagct	ctcagaaatg	gattcattta	acaatcagct	gaaggaactc	agagaaagct	1920
ataatacaca	gcagtttagcc	cttgaacaac	ttcataaaat	caaacgtgac	aaattgaagg	1980
aaatcgaaag	aaaaagatta	gagcaaaaaa	aaaaaaa			2017

<210> 73

<211> 414

<212> DNA

<213> Homo sapien

<400> 73

atggcagtg	cattcaccat	catgggaacc	accttccctt	ttcttcagga	ttctctgtag	60
tgggaagag	caccagtg	tgggctgaaa	acatctgaaa	gtagggagaa	gaacctaaaa	120
taatcagtat	ctcagagggc	tctaagggtg	caagaagtct	cactggacat	ttaagtcca	180
acaaaggcat	actttcggaa	tgcccaagtc	aaaactttct	aacttctgtc	tctctcagag	240
acaagtgaga	ctcaagagtc	tactgcttta	gtggcaacta	cagaaaactg	gtgttaccca	300
gaaaaacagg	agcaattaga	aatggttcca	atattttcaa	gctccgcaaa	caggatgtgc	360
tttcctttgc	ccatttaggg	tttcttctct	ttcctttctc	tttattaacc	acta	414

<210> 74

<211> 1567

<212> DNA

<213> Homo sapien

<400> 74

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aggctccaat	atgaacaaga	taaatctatc	ttcaaagaca	tattagaagt	tgggaaaata	120
attcatgtga	actagacaag	tgtgttaaga	gtgataagta	aaatgcacgt	ggagacaagt	180
gcacccccag	atctcaggga	cctccccctg	cctgtcacct	ggggagttag	aggacaggat	240
agtgcagtgt	ctttgtctct	gaatttttag	ttatatgtgc	tgtaatgttg	ctctgaggaa	300
gccccctgaa	agtctatccc	aacatatcca	catcttatat	tccacaaatt	aagctgtagt	360
atgtacccta	agacgtgct	aattgactgc	cacttcgcaa	ctcaggggag	gctgcatttt	420
agtaatgggt	caaagtattc	actttttatg	atgcttccaa	aggtgccttg	gcttctcttc	480
ccaactgaca	aatgccaaag	ttgagaaaaa	tgatcataat	tttagcataa	acagagcagt	540
cggcgacacc	gattttataa	ataaactgag	caccttcttt	ttaaacaac	aaatgcgggt	600
ttattttctca	gatgatgttc	atccgtgaat	ggtccaggga	aggacctttc	accttgacta	660
tatggcatta	tgtcatcaca	agctctgagg	cttctccttt	ccatcctgcg	tggacagcta	720

agacctcagt	tttcaatagc	atctagagca	gtgggactca	gctgggggtga	tttcgcccc	780
catctccggg	ggaatgtctg	aagacaat	tgttacctca	atgagggagt	ggaggaggat	840
acagtgtac	taccaactag	tgataaagg	ccagggatgc	tgctcaacct	cctaccatgt	900
acaggacgtc	tccccattac	aactacccaa	tccgaagtgt	caactgtgtc	aggactaaga	960
aaccttggtt	ttgagtagaa	aagggcctgg	aaagagggga	gccaacaaat	ctgtctgctt	1020
cctcacatta	gtcattggca	aataagcatt	ctgtctcttt	ggctgctgcc	tcagcacaga	1080
gagccagaac	tctatcgggc	accaggataa	catctctcag	tgaacagagt	tgacaaggcc	1140
tatgggaaat	gcctgatggg	attatcttca	gcttggtgag	cttctaagtt	tctttccctt	1200
cattctaccc	tgcaagccaa	gttctgtaag	agaaatgcct	gagttctagc	tcagggtttc	1260
ttactctgaa	tttagatctc	cagacccttc	ctggccacaa	ttcaaattaa	ggcaacaaac	1320
atataccttc	catgaagcac	acacagactt	ttgaaagcaa	ggacaatgac	tgcttgaatt	1380
gaggccttga	ggaatgaagc	tttgaaggaa	aagaatactt	tgtttccagc	ccccttccca	1440
cactcttcat	gtgttaacca	ctgccttcct	ggaccttgga	gccacggtga	ctgtattaca	1500
tgttgttata	gaaaactgat	tttagagttc	tgatcgttca	agagaatgat	taaatataca	1560
tttccta						1567

<210> 75

<211> 240

<212> DNA

<213> Homo sapien

<400> 75

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gggctccaac	ttgcagacgg	cctgttggtg	gacagtctct	gtaatcgcca	aagcaaccat	120
ggaagacctg	ggggaaaaca	ccatggtttt	atccaccctg	agatctttga	acaacttcat	180
ctctcagcgt	gcggaggagg	gctctggact	ggatatttct	acctcggccg	cgaccacgct	240

<210> 76

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 76

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ggtgggtgca	gatggcatcc	actccgggtg	cttcccatc	tttctctggc	ctgagcaagg	120
tcagcctgca	gccagagtac	agagggccaa	cactgggtgt	cttgaacaag	ggccttagca	180
ggccctgaag	grccctctct	gtagtgttga	acttcctgga	gccaggccac	atgttctcct	240
cataccgcag	gytagygatg	gtgaagttga	gggtgaaata	gtattmangr	agatggctgg	300
caracctgcc	cgggcggccg	ctcsaaatcc				330

<210> 77

<211> 361

<212> DNA

<213> Homo sapien

<400> 77

agcgtgggtc	cggccgaggt	gtccttcagg	gtctgcttat	gcccttgttc	aagaacacca	60
gtgtcagctc	tctgtactct	ggttgacagc	tgaccttgct	caggcctgag	aaggatgggg	120
cagccaccag	agtggatgct	gtctgcaccc	atcgctctga	ccccaaaagc	cctggactgg	180
acagagagcg	gctgtactgg	aagctgagcc	agctgaccca	cggcatcact	gagctgggcc	240
cctacaccct	ggacagggac	agtctctatg	tcaatggttt	cacccatcgg	agctctgtac	300
ccaccaccag	caccgggggtg	gtcagcgagg	agccattcaa	cctgcccggg	cggccgctcg	360

a

361

<210> 78
 <211> 356
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 78
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 actgaacttc accatcaaca acctgcggtg tgaggagAAC atgcagcacc ctggctccag 120
 gaagttcaac accacggaga gggtccttca gggcctgctc aggtccctgt tcaagagcac 180
 cagtgttggc cctctgtact ctggctgcag actgactttg ctgagacttg agaaacatgg 240
 ggcagccact ggagtggacg ccatctgcac cctccgcctt gatcccaactg gtcctggact 300
 ggacagagag cggctatact gggagctgag ccagtcctct ggcgngnacn ccnctt 356

<210> 79
 <211> 226
 <212> DNA
 <213> Homo sapien

<400> 79
 agcgtggctg cggccgaggt ccagtcgcag catgctcttt ctctgcccc ctggcacagt 60
 gaggaagatc tctgctgtca gtgagaaggc tgtcatccac tgagatggca gtcaaaagtg 120
 catttaatac acctaacgta tcgaacatca tagcttggcc caggttatct catatgtgct 180
 cagaacactt acaatagcct gcagacctgc ccgggcggcc gctcga 226

<210> 80
 <211> 444
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = A,T,C or G

<400> 80
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 gatggtgaag ttgaggggtga atggtaccag gagagggcca gcagccataa ttgtsgrgck 120
 gsmgmssgag gmwggwgtyy cwgagggtcy rarrtccact gtggaggtcc caggagtgtc 180
 ggtggtgggc acagagstcy gatgggtgaa accattgaca tagagactgt tcctgtccag 240
 ggtgtagggg cccagctctt yratgycatt ggycagttkg ctyagctccc agtacagccr 300
 ctctckgyyg mgwccagsgc ttttggggtc aagatgatgg atgcagatgg catccactcc 360
 agtggctgct ccataccttct cggacctgag agaggtcagt ctgcagccag agtacagagg 420
 gccaacactg gtgttctttg aata 444

<210> 81
 <211> 310
 <212> DNA
 <213> Homo sapien

<400> 81

togagcggcc	gcccgggcag	gtcaggaagc	acattggtct	tagagccact	gcctcctgga	60
ttccacctgt	gctgcggaca	tctccaggga	gtgcagaagg	gaagcaggtc	aaactgctca	120
gatcagtcag	actggctggt	ctcagttctc	acctgagcaa	ggtcagtctg	cagccagagt	180
acagagggcc	aacactgggtg	ttcttgaaca	agggcttgag	cagaccctgc	agaaccctct	240
tccgtggtgt	tgaacttcct	ggaaccagg	gtgttgcatg	tttttcctca	taatgcaagg	300
ttggtgatgg						310

<210> 82
 <211> 571
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 82						
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tacaaatgga	atttcatctt	gtttccatgc	tgagtagtga	aacagtgaca	aagctaataca	120
taataaccta	catcaaaaga	gaactaagct	aacactgctc	actttctttt	taacaggcaa	180
aatataaata	tatgcactct	anaatgcaca	atggtttagt	cactaaaaaa	ttcaaatggg	240
atcttgaaga	atgtatgcaa	atccaggggtg	cagtgaagat	gagctgagat	gctgtgcaac	300
tgtttaaggg	ttcctggcac	tgcatctctt	ggccactagc	tgaatcttga	catggaaggt	360
tttagctaata	gccaagtggg	gatgcagaaa	atgctaagtt	gacttagggg	ctgtgcacag	420
gaactaaaag	gcaggaaagt	actaaatatt	gctgagagca	tccacccag	gaaggacttt	480
accttccagg	agctccaaac	tggcaccacc	cccagtgctc	acatggctga	ctttatcctc	540
cgtgttccat	ttggcacagc	aagtggcagt	g			571

<210> 83
 <211> 551
 <212> DNA
 <213> Homo sapien

<400> 83						
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aagggaagaa	atgcttcttg	gaacaagggt	aaagccgagc	cagccaaaat	agaagctttc	120
cgagcttcac	tttccaagct	aggggatgtc	tatgtcaatg	atgcttttgg	cactgctcac	180
agagcccaca	gctccatggt	aggagtcaat	ctgccacaga	aggctggtgg	gtttttgatg	240
aagaaggagc	tgaactactt	tgcaaaaggcc	ttggagagcc	cagagcgacc	cttcctggcc	300
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gtcaatgaga	tgattattgg	tggtggaatg	gctttttac	tccttaaggt	gctcaacaac	420
atggagattg	gcacttctct	gtttgatgaa	gagggagcca	agattgtcaa	agacctaatg	480
tccaaagctg	agaagaatgg	tgtgaagatt	accttgccctg	ttgactttgt	cactgctgac	540
aagtttgatg	a					551

<210> 84
 <211> 571
 <212> DNA
 <213> Homo sapien

<400> 84						
tttgttcctt	acatttttct	aaagagttac	ttaaatacagt	caactggtct	ttgagactct	60
taagtcttga	ttccaactta	gctaattcat	tctgagaact	gtggtatagg	tggcgtgtct	120
cttctagctg	ggacaaaagt	tctttgtttt	ccccctgtag	agtatcacag	accttctgct	180
gaagctggac	ctctgtcttg	gccttggact	cccaaactctg	cttgtcatgt	tcaagcctgg	240
aaatgttaat	ctttaattct	tccatatgga	tggacatctg	tctaagttga	tccttttagaa	300

cactgcaatt	atcttctttg	agtctaattt	cttcttcttt	gctttgaatc	gcatcactaa	360
acttcctctc	ccatttctta	gcttcatcta	tcacctgtc	acgatcatcc	tggagggaag	420
acatgctctt	agtaaaggct	gcaagctggg	tcacagtact	gtccaagttt	tcctgaagtt	480
gctgaacttc	cttgtctttc	ttgttcaaag	taacctgaat	ctctccaatt	gtctcttcca	540
agtggacttt	ttctctgcgc	aaagcatcca	g			571

<210> 85

<211> 561

<212> DNA

<213> Homo sapien

<400> 85

tcattgcctg	tgatggcatc	tggaatgtga	tgagcagcca	ggaagttgta	gatttcattc	60
aatcaaagga	ttcagcatgt	ggtggaagct	gtgaggcaag	agaaacaaga	actgtatggc	120
aagttaagaa	gcacagaggc	aaacaagaag	gagacagaaa	agcagttgca	ggaagctgag	180
caagaaatgg	aggaaatgaa	agaaaagatg	agaaagtttg	ctaaatctaa	acagcagaaa	240
atcctagagc	tggaagaaga	gaatgaccgg	cttagggcag	aggtgcaccc	tgcaggagat	300
acagctaaag	agtgtatgga	aacacttctt	tcttccaatg	ccagcatgaa	ggaagaactt	360
gaaaggggtca	aaatggagta	tgaaaccctt	tctaagaagt	ttcagtcttt	aatgtctgag	420
aaagactctc	taagtgaaga	ggttcaagat	ttaaagcatc	agatagaagg	taatgtatct	480
aaacaagcta	acctagaggc	caccgagaaa	catgataacc	aaacgaatgt	cactgaagag	540
ggaacacagt	ctataccagg	t				561

<210> 86

<211> 795

<212> DNA

<213> Homo sapien

<400> 86

aagccaataa	tcaccattta	ttacttaata	tatgccaaacc	actgtacttg	gcagttcaca	60
aattctcacc	gttacaacaa	ccccatgagg	tatttattcc	cattctatag	atagggaaac	120
cacagctcaa	gtaagttagg	aaactgagcc	aagtatacac	agaatacgaa	gtggcaaaac	180
tagaaggaaa	gactgacact	gctatctgct	ggcctccagt	gtcctggctc	ttttcacacg	240
ggttcaatgt	ctccagcgct	gctgctgctg	ctgcattacc	atgccctcat	tgtttttctt	300
cctctgggtg	tcaactgcat	ccttcaaaga	atctaactca	ttccagagac	cacttatttc	360
tttctctctt	tctgaaatta	cttttaataa	ttcttcatga	gggggaaaag	aagatgcctg	420
ttggtagttt	tgttgtttta	gctgctcaat	ttgggaacta	aacaatttgt	tttcatcttg	480
tacatcctgt	aacagctgtg	ttttgctaga	aagatcaact	tccctctctt	ttagcatggc	540
ttctaaccct	ttcaattcat	tttccttttc	tttcaacaca	atctcaagtt	cttcaaactg	600
tgatgcagaa	gaggcctctt	tcaagttatg	ttgtgctact	tcttgaacat	gtgcttttaa	660
agattcattt	tcttcttgaa	gatcctgtaa	ccacttcctt	gtattggcta	ggtctttctc	720
tttctcttcc	aaaacagcct	tcatgggtatt	catctgttcc	tcttttcctt	ttaataagtt	780
caggagcttc	agaac					795

<210> 87

<211> 594

<212> DNA

<213> Homo sapien

<400> 87

caagcttttt	tttttttttt	aaaaagtgtt	agcattaatg	ttttattgtc	acgcagatgg	60
caactgggtt	tatgtcttca	tattttatat	ttttgtaaat	taaaaaaatt	acaagtttta	120
aatagccaat	ggctgggtat	attttcagaa	aacatgatta	gactaattca	ttaatgggtg	180
cttcaagctt	ttccttattg	gtccagaaa	attcaccac	cttttgtccc	ttcttaaaaa	240
actggaatgt	tgcatgcat	ttgacttcac	actctgaagc	aacatcctga	cagtcattcca	300
catctacttc	aaggaatata	acgttggaa	acttttcaga	gagggaatga	aagaaaggct	360
tgatcatttt	gcaaggccca	caccacgtgg	ctgagaagtc	aactactaca	agtttatcac	420

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ctgcagcgtc caaggtctcc tgaaaagcag tcttgctctc gatctgcttc accatcttgg 480
ctgctggagt ctgacgagcg gctgtaagga cccgatggaaa tggatccaaa gcaccaaaca 540
gagcttcaag actcgctgct tggcttgaat tcggatccga tatcgccatg gcct 594

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```

<210> 88
<211> 557
<212> DNA
<213> Homo sapien

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<400> 88
aagtgttagc attaatgttt tattgtcacg cagatggcaa ctgggtttat gtcttcatat 60
tttatatttt tgtaaattaa aaaaattmca agttttaaat agccaatggc tggttatatt 120
ttcagaaaac atgattagac taattcatta atgggtggctt caagcttttc cttattggct 180
ccagaaaatt caccacactt ttgtcccttc ttaaaaaact ggaatgttgg catgcatttg 240
acttcacact ctgaagcaac atcctgacag tcatccacat ctacttcaag gaatatcacg 300
ttggaatact tttcagagag ggaatgaaag aaaggcttga tcattttgca aggcccacac 360
cacgtggctg agaagtcaac tactacaagt ttatcacctg cagcgtccaa ggcttcctga 420
aaagcagtct tgctctcgat ctgcttcacc atcttggtcg ctggagtctg acgagcggct 480
gtaaggaccg atggaaatgg atccaaagca ccaaacagag cttcaagact cgctgcttgg 540
catgaattcg gatccga 557

```

```

<210> 89
<211> 561
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

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<400> 89
tacaaaacttt attgaaacgc acacgcgcac acacacaaac acccctgtgg atagggaaaa 60
gcacctggcc acagggtcca ctgaaacggg gaggggatgg cagcttgtaa tgtggctttt 120
gccacaaccc ccttctgaca ggggaaggcct tagattgagg cccacactcc catggtgatg 180
gggagctcag aatgggggtcc agggagaatt tggttagggg gaggtgctag ggaggcatga 240
gcagagggca ccctccgagt ggggtcccga gggctgcaga gtcttcagta ctgtccctca 300
cagcagctgt ctcaaggctg ggtccctcaa aggggcgtcc cagcgcgggg cctccctgcg 360
caaacacttg gtacccctgg ctgcgcagcg gaagccagca ggacagcagt ggcgccgatc 420
agcacaacag acgccctggc ggtagggaca gcaggcccag ccctgtcggg tgtctcggca 480
gcaggtctgg ttatcatggc agaagtgtcc tccccacact tcacgtcctt cacaccacag 540
tganggctac nggccaggaa g 561

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```

<210> 90
<211> 561
<212> DNA
<213> Homo sapien

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<400> 90
cccgtgggtg ccatccacgg agttgttacc tgatcttttg aagcaggatc gcccgctctgc 60
actgcagtgg aagccccgtg ggcagcagtg atggccatcc ccgcatgcca cggcctctgg 120
gaaggggcag caactggaag tccctgagac ggtaaagatg caggagtggc cggcagagca 180
gtgggcatca acctggcagg ggccaccag atgcctgctc agtgtttgtg gccatttgtc 240
cagaagggga cggcagcagc tgtagctggc tcctccgggg tccaggcagc aggccacagg 300
gcagaactga ccatctgggc accgcgttcc agccaccagc cctgctgtta aggccacca 360
gtcaccagg gtccacatgg tctgcctgcg tccgactccg cggtccttgg gccctgatgg 420
ttctacctgc tgtgagctgc ccagtgggaa gtatggctgc tgccaatgcc caacgccacc 480

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tgctgctccg atcacctgca ctgctgcccc aagacactgt gtgtgacctg atccagagta 540
 agtgcctctc caaggagaac g 561

<210> 91
 <211> 541
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 91
 gaatcacctt tctgggttag ctagtacttt gtacagaaca atgagggttc ccacagcgga 60
 gtctccctgg gctctgtttg gctctcggtt aggcaggcct acaccttttc ctctcctcta 120
 tggagagggg aatatgcatt aagggtgaaa gtcaccttcc aaaagtgaga aagggtatcg 180
 attgctgctt caggactgtg gaattatttg gaatgtttta caaatgggtg ctacaaaaca 240
 acaaaaaagg taattacaaa atgtgtacat cacaacatgc tttttaaaga cattatgcat 300
 tgtgctcaca ttcccttaaa tgttggttcc aaagggtgctc agcctctagc ccagctggat 360
 tctccgggaa gaggcagaga cagtttggcg aaaaagacac aggggaaggag ggggtggtga 420
 aaggagaaag cagccttcca gttaaagatc agcctcagc taaagggtcag cttcccgcan 480
 gctggcctca ngcggagtct gggtcagagg gaggagcagc agcaggggtg gactggggcg 540
 t 541

<210> 92
 <211> 551
 <212> DNA
 <213> Homo sapien

<400> 92
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 gtgaagcgca agatccaggt tctgcagcag caggcagatg atgcagagga gcgagctgag 120
 cgcctccagc gagaagttga gggagaaaagg cgggcccggg aacaggctga ggctgaggtg 180
 gcctccttga accgtaggat ccagctgggtt gaagaagagc tggaccgtgc tcaggagcgc 240
 ctggccactg ccttgcaaaa gctggaagaa gctgaaaaag ctgctgatga gagtgaagaga 300
 ggtatgaagg ttattgaaaa ccgggcctta aaagatgaag aaaagatgga actccaggaa 360
 atccaactca aagaagctaa gcacattgca gaagaggcag ataggaagta tgaagaggtg 420
 gctcgtaagt tggatgatcat tgaaggagac ttggaacgca cagaggaacg agctgagctg 480
 gcagagtcct gttgccgaga gatggatgag cagattagac tgatggacca gaacctgaag 540
 tgtctgagtg c 551

<210> 93
 <211> 531
 <212> DNA
 <213> Homo sapien

<400> 93
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 gatctggttt tctggatagc caggtcatag catgggtatc agtaggaatc cgctgtagct 120
 gcacaggcct cacttgctgc agttccgggg agaacacctg cactgcatgg cgttgatgac 180
 ctctgtgtac acgacagagc cattgggtgca gtgcaagggc acgcgcatgg gctccgtcct 240
 cgagggcagg cagcaggagc attgctcctg cacatcctcg atgtcaatgg agtacacagc 300
 tttgtctggc cactttccct ggcagtaatg aatgtccact tcctcttggg acttacaatc 360
 tcccactttg atgtactgca ccttggtgtg gatgtctttg caatcaggct cctcacatgt 420
 gtcacagcag gtgcctggaa ttttcacgat tttgcctcct tcagccagac acttgtgttc 480
 atcaaatggt gggcagcccg tgaccctctt ctcccagatg tactctctct t 531

<210> 94
 <211> 531
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 94
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 tctcctgttc ggggtggagga gacgtgtggc tgccgctgga cctgcccttg tgtgtgcacg 180
 ggcagttcca ctccggcacat cgtcaccttc gatgggcaga atttcaagct tactggtagc 240
 tgctcctatg tcatctttca aaacaaggag caggacctgg aagtgtctct ccacaatggg 300
 gcctgcagcc ccggggcaaa acaagcctgc atgaagtcca ttgagattaa gcatgctggc 360
 gtctctgctg agctgcacag taacatggag atggcagtg atgggagact ggtccttgcc 420
 ccgtacgttg gtgaaaacat ggaagtcagc atctacggcg ctatcatgta tgaagtcagg 480
 tttacccatc ttggccacat cctcacatac accgcencaa aacaacgagt t 531

<210> 95
 <211> 605
 <212> DNA
 <213> Homo sapien

<400> 95
 agatcaacct ctgctgggtca ggaggaatgc cttccttgct ttggatcttt gctttgacgt 60
 tctcgatagt rwcaactkk r ytsramskma agkgyratgr wmttksywgw rasyktmwwm 120
 rsgraraytt agacaycccm cctcwagagc gsagkaccar gtgcagaggt ggactctttc 180
 tggatgttgt agtcagacag ggtgcgtcca tcttccagct gtttccagc aaagatcaac 240
 ctctgctgat caggagggat gccttcctta tcttggatct ttgccttgac attctcgatg 300
 gtgtcactgg gctccacctc gaggggtgat gtcttaccag tcagggtctt cacgaagaty 360
 tgcaccccac ctctgagacg gagcaccagg tgcagggtgr actctttctg gatgtttag 420
 tcagacaggg tgcgyccatc ttccagctgc tttccsagca aagatcaacc tctgctggtc 480
 aggaggratg ccttccttgt cytggtatct tgcyytgacr ttctcratgg tgtcactcgg 540
 ctccacttcg agagtgtatg tcttaccagt cagggtcttc acgaagatct gcatcccacc 600
 tctaa 605

<210> 96
 <211> 531
 <212> DNA
 <213> Homo sapien

<400> 96
 aagtcacaaa cagacaaaga ttattaccag ctgcaagcta tattagaagc tgaacgaaga 60
 gacagaggtc atgattctga gatgattgga gaccttcaag ctgcaattac atctttacaa 120
 gaggaggtga agcatctcaa acataatctc gaaaaagtgg aaggagaaag aaaagaggct 180
 caagacatgc ttaatcactc agaaaaggaa aagaataatt tagagataga tttaaactac 240
 aaacttaaat cattacaaca acggttagaa caagaggtaa atgaacacaa agtaacacaa 300
 gctcgtttta ctgacaaaca tcaatctatt gaagaggcaa agtctgtggc aatgtgtgag 360
 atggaaaaaa agctgaaaga agaaagagaa gctcgagaga aggtgaaaa tcgggttggt 420
 cagattgaga aacagtgttc catgctagac gttgatctga agcaatctca gcagaaacta 480
 gaacatttga ctggaaataa agaaaggatg gaggatgaag ttaagaatct a 531

<210> 97

<211> 1017
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(1017)
 <223> n = A,T,C or G

<400> 97

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ccgggccttc	agcagccgct	cctacacgag	tgggcccggg	tcccgcacat	gctcctcgag	120
cttctcccga	gtgggcagca	gcaactttcg	cggtggcctg	ggcggcggt	atgggtgggg	180
cagcggcatg	ggagggcatc	ccgcagttac	ggtcaaccag	agcctgctga	gcccccttgt	240
cctggagggtg	gaccccaaca	tccaggccgt	gcgacccag	gagaaggagc	agatcaagac	300
cctcaacaac	aagtttgct	ccttcataga	caaggtacgg	ttcctggagc	agcagaacaa	360
gatgctggag	accaagtgga	gcctcctgca	gcagcagaag	acggctcgaa	gcaacatgga	420
caacatgttc	gagagctaca	tcaacarcct	taggcggcag	ctggagactc	tgggccagga	480
gaagctgaag	ctggaggcgg	agcttggcaa	catgcagggg	ctgggtggagg	acttcaagaa	540
caagtatgag	gatgagatca	ataagcgtac	agagatggag	aacgaatttg	tcctcatcaa	600
gaaggatgtg	gatgaagctt	acatgaacaa	ggtagagctg	gagtctcgcc	tgggaagggt	660
gaccgacgag	atcaacttcc	tcaggcagct	gtatgaagag	gagatccggg	agctgcagtc	720
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cagcatcatt	gctgagggtc	aggcacagta	cgaggatatt	gccaaaccgca	gccgggctga	840
ggctgagagc	atgtaccagg	tcaagtatga	ggagctgcag	agcctggctg	ggaagcacgg	900
ggatgacctg	cggcgcacaa	agactgagat	ctctgagatg	aaccgggaac	atcagcccg	960
ctncaggctg	agattgaggg	cctcaaaggc	caganggctt	ncctggangn	ccgccat	1017

<210> 98
 <211> 561
 <212> DNA
 <213> Homo sapien

<400> 98

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tgggtctgga	aacccaaacc	ctcaaggatg	gcctggcgca	tgggggaacc	agcctgctgg	120
ggcagggggc	taccagggg	cttctatcc	tggggcctac	cccgggcagg	cacccccagg	180
ggcttatact	ggacaggcac	ctccaggcgc	ctaccctgga	gcacctggag	cttatcccgg	240
agcacctgca	cctggagtct	acccagggcc	acccagcggc	cctggggcct	acccatcttc	300
tggacagcca	agtgccaccc	gagcctaccc	tgccactggc	ccctatggcg	cccctgctgg	360
gccactgatt	gtgccttata	acctgccttt	gcctggggga	gtgggtgcctc	gcatgctgat	420
aacaattctg	ggcacggtga	agcccaatgc	aaacagaatt	gcttttagatt	tccaaagagg	480
gaatgatgtt	gccttccact	ttaacccacg	cttcaatgag	aacaacagga	gagtcattgg	540
ttgcaataca	aagctggata	a				561

<210> 99
 <211> 636
 <212> DNA
 <213> Homo sapien

<400> 99

gggaatgcaa	caactttatt	gaaaggaaa	tgcaatgaaa	tttgttgaaa	ccttaaaagg	60
ggaaacttag	acaccccccc	tcragcgmag	kaccargtgc	aragggtggac	tctttctgga	120
tggtgtagtc	agacagggtr	cgwccatctt	ccagctgttt	yccrgcaaag	atcaacctct	180
gctgatcagg	aggratgcct	tccttatctt	ggatctttgc	cttgacattc	tcgatgggtg	240
cactgggctc	cacctcgagg	gtgatggctc	taccagtcag	ggtcttcacg	aagatytgca	300
tcccacctct	gagacggagc	accaggtgca	gggtrgactc	tttctggatg	ttgtagtcag	360

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acaggggtgcg yccatcttcc agctgctttc csagcaaaga tcaacctctg ctgggtcagga 420
ggratgcctt ccttgctcytg gatcttttgcy ttgacrttct caatgggtgc actcggctcc 480
acttcgagag tgatgggtctt accagtcagg gtcttcacga agatctgcat cccacctcta 540
agacggagca ccaggtgcag ggtggactct ttctggatgg ttgtagtcag acaggggtgcg 600
tccatcttcc agctgtttcc cagcaaagat caacct 636

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<210> 100
<211> 697
<212> DNA
<213> Homo sapien

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<400> 100
aggttgatct ttgctgggaa acagctggaa gatggacgca ccctgtctga ctacaaccat 60
ccagaaagag tccaccctgc acctgggtgc cgtcttaga ggtgggatgc agatcttcgt 120
gaagaccctg actggttaaga ccatcactct cgaagtggag ccgagtgcac ccattgagaa 180
ygtcaargca aagatccarg acaaggaagg catycctcct gaccagcaga ggttgatctt 240
tgctsggaaa gcagctggaa gatggcgcga ccctgtctga ctacaacatc cagaaagagt 300
cyaccctgca cctgggtgctc cgtctcagag gtgggatgca ratcttcgtg aagaccctga 360
ctggttaagac catcaccctc gaggtggagc ccagtgcac catcgagaat gtcaaggcaa 420
agatccaaga taagggaaggc atccctcctg atcagcagag gttgatcttt gctgggaaac 480
agctggaaga tggacgcacc ctgtctgact acaacatcca gaaagagtcc acctytgcac 540
ytggtmctbc gtctyagagg kgggrtgcaa atctwmgtkw agacactcac tkkyaagryy 600
atcamcmwtg akktcgakys castkwact wtcrakaamg tyrwwgcawa gatccmagac 660
aaggaaggca ttcctcctga ccagcagagg ttgatct 697

```

```

<210> 101
<211> 451
<212> DNA
<213> Homo sapien

```

```

<400> 101
atggagtctc actctgtcga ccaggetgga gcgctgtggt gcgatatcgg ctcaactgcag 60
tctccacttc ctgggttcaa gcgacccctc tgcctcagcc tcccagtag ctgggactac 120
aggcaggcgt caccataatt tttgtatctt tagtagagac atggtttcgc catgttggtc 180
gggctggtct cgaactcctg acctcaagt atctgtcctg gcctcccaaa gtgttgggat 240
tacaggcgaa agccaacgct cccggccagg gaacaacttt agaataagg aaatatgcaa 300
aagaacatca catcaaggat caattaatta ccatctatta attactatat gtgggtaatt 360
atgactatct cccaagcatt ctacgttgac tgcttgagaa gatgtttgtc ctgcatggtg 420
gagagtggag aaggggccagg attcttaggt t 451

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<210> 102
<211> 571
<212> DNA
<213> Homo sapien

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<400> 102
agcgcggtct tccggcgcga gaaagctgaa ggtgatgtgg ccgccctcaa ccgacgcac 60
cagctcgttg aggaggagtt ggacagggtc caggaacgac tggccacggc cctgcagaag 120
ctggaggagg cagaaaaagc tgcagatgag agtgagagag gaatgaagg gatagaaaac 180
cgggccatga aggatgagga gaagatggag attcaggaga tgcagctcaa agaggccaag 240
cacattgcgg aagaggctga ccgcaaatac gaggaggtag ctcgtaagct ggtcatcctg 300
gaggggtgagc tggagagggc agaggagcgt gcggaggtgt ctgaactaaa atgtggtgac 360
ctggaagaag aactcaagaa tgttactaac aatctgaaat ctctggaggc tgcacttgaa 420
aagtattctg aaaaggagga caaatatgaa gaagaaatta aacttctgtc tgacaaactg 480
aaagaggctg agaccctgct tgaatttgca gagagaacgg ttgcaaaact ggaaaagaca 540
attgatgacc tgggaagagaa acttgcccag c 571

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<210> 103
 <211> 451
 <212> DNA
 <213> Homo sapien

<400> 103
 gtgcacaggt cccatttatt gtagaaaata ataataatta cagtgatgaa tagctcttct 60
 taaattacaa aacagaaacc acaaagaagg aagaggaaaa accccaggac ttccaagggt 120
 gaagctgtcc cctcctccct gccaccctcc caggctcatt agtgtccttg gaaggggcag 180
 aggactcaga ggggatcagt ctccaggggc cctgggctga agcgggtgag gcagagagtc 240
 ctgaggccac agagctgggc aacctgagcc gcctctcttg cccctcccc caccactgcc 300
 caaacctgtt tacagcacct tcgcccctcc cctctaaacc cgtccatcca ctctgcactt 360
 ccagggcagg tgggtgggccc aggcctcagc catactcctg ggcgcgggtt tcgggtgagca 420
 aggcacagtc ccagaggtga tatcaaggcc t 451

<210> 104
 <211> 441
 <212> DNA
 <213> Homo sapien

<400> 104
 gcaaggaact ggtctgctca cacttgctgg cttgcgcctc aggactggct ttatctcctg 60
 actcacggtg caaagggtgca ctctgcgaac gttaagtccg tccccagcgc ttggaatcct 120
 acggccccca cagccggatc ccctcagcct tccaggctcct caactcccggt ggacgctgaa 180
 caatggcctc catggggcta caggtaatgg gcctcgcgct ggccgtcctg ggctggctgg 240
 ccgtcatgct gtgctgcgcg ctgcccattgt ggcgcgtgac ggcccttcac ggagcaaca 300
 ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgcgtgggtg cagagcaccg 360
 gccagatgca gtgcaagggtg tacgactcgc tgctggcact gccgcaggac ctgcaggcgg 420
 cccgcgccct cgtcatcctc a 441

<210> 105
 <211> 509
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 105
 tgcaaaaagg acacaggggt tcaaaaataa aaattttctt tccccctccc caaacctgta 60
 cccagctccc ccgaccacaa ccccttctct ccccggggga aagcaagaag gagcaggtgt 120
 ggcattctga gctgggaaga gagaggccgg ggaggtgccg agctcgggtg tggctctctt 180
 ccaaatataa atacntgtgt cagaactgga aaatcctcca gcacccacca cccaagcact 240
 ctccgttttc tgccgggtgt tggagagggg cggggggcag gggcgccagg caccggctgg 300
 ctgcgggtcta ctgcattccgc tgggtgtgca ccccgcgagc ctctgctgc tcattgtaga 360
 agagatgaca ctcggggtcc ccccggtatg tgggggctcc ctggatcagc ttcccgggtg 420
 tgggggtcac acaccagcac tccccacgct gcccgttcag agacatcttg cactgtttga 480
 ggttgtagag gccatgcttg tcacagttg 509

<210> 106
 <211> 571
 <212> DNA
 <213> Homo sapien

<400> 106

gggttgagg	gactggttct	ttattttcaaa	aagacacttg	tcaatattca	gtatcaaaac	60
agttgcacta	ttgattttctc	tttctcccaa	tgggccccaa	agagaccaca	taaaaggaga	120
gtacatttta	agccaataag	ctgcaggatg	tacacctaac	agacctccta	gaaaccttac	180
cagaaaatgg	ggactgggta	gggaaggaaa	cttaaaagat	caacaaactg	ccagcccacg	240
gactgcagag	gctgtcacag	ccagatgggg	tggccagggt	gccacaaacc	caaagcaaag	300
tttcaaaaata	atataaaaatt	taaaaagttt	tgtacataag	ctattcaaga	tttctccagc	360
actgactgat	acaaagcaca	attgagatgg	cacttctaga	gacagcagct	tcaaaccacg	420
aaaagggtga	tgagatgagt	ttcacatggc	taaatcagtg	gcaaaaacac	agtcttcttt	480
ctttctttct	ttcaaggagg	caggaaagca	attaagtggg	cacctcaaca	taagggggac	540
atgatccatt	ctgtaagcag	ttgtgaaggg	g			571

<210> 107

<211> 555

<212> DNA

<213> Homo sapien

<400> 107

caggaaccgg	agcgcgagca	gtagctgggt	gggcaccatg	gctgggatca	ccaccatcga	60
ggcgggtgaag	cgcaagatcc	aggttctgca	gcagcaggca	gatgatgcag	aggagcgagc	120
tgagcgctc	cagcgagaag	ttgagggaga	aaggcgggcc	cgggaacagg	ctgaggctga	180
ggtggcctcc	ttgaaccgta	ggatccagct	ggttgaagaa	gagctggacc	gtgctcagga	240
gcgccctggcc	actgccctgc	aaaagctgga	agaagctgaa	aaagctgctg	atgagagtga	300
gagaggtatg	aagggttattg	aaaaccgggc	cttaaaagat	gaagaaaaga	tggaaactcca	360
ggaaatccaa	ctcaaagaag	ctaagcacat	tgcagaagag	gcagatagga	agtatgaaga	420
ggtggctcgt	aagttgggtga	tcattgaagg	agacttggaa	cgcacagagg	aacgagctga	480
gctggcagag	tcccgttgcc	gagagatgga	tgagcagatt	agactgatgg	accagaacct	540
gaagtgtctg	agtgc					555

<210> 108

<211> 541

<212> DNA

<213> Homo sapien

<400> 108

atctacgtca	tcaatcaggc	tggagacacc	atgttcaatc	gagctaagct	gctcaatatt	60
ggctttcaag	aggccttgaa	ggactatgat	tacaactgct	ttgtgttcag	tgatgtggac	120
ctcattccga	tggacgaccg	taatgcctac	aggtgttttt	cgcagccacg	gcacatttct	180
gttgcaatgg	acaagttcgg	gtttagcctg	ccatatgttc	agtatttttg	aggtgtctct	240
gctctcagta	aacaacagtt	tcttgccatc	aatggattcc	ctaataatta	ttgggggttg	300
ggaggagaag	atgacgacat	ttttaacaga	ttagttcata	aaggcatgtc	tatatcacgt	360
ccaaatgctg	tagtagggag	gtgtcgaatg	atccggcatt	caagagacaa	gaaaaatgag	420
cccaatcctc	agaggtttga	ccggatcgca	catacaaagg	aaacgatgcg	cttcgatggg	480
ttgaactcac	ttacctacaa	ggtgttggtg	gtcagagata	cccgttatat	acccaaatca	540
c						541

<210> 109

<211> 411

<212> DNA

<213> Homo sapien

<400> 109

ctagacctct	aattaaaagg	cacaatcatg	ctggagaatg	aacagtctga	ccccgagggc	60
cacagcgaat	tttagggaag	gaggcaaaga	ggtgagaagg	gaaaggaaag	aagggaaggaa	120
ggagaacaat	aagaactgga	gacgttggtg	gggtcaggga	gtgtgggtgga	ggctcggaga	180
gatggtaaac	aaacctgact	gctatgagtt	ttcaacccca	tagtctaggg	ccatgagggc	240
gtcagtttct	ggtggctgag	ggtccttcca	cccagccac	ctgggggagt	ggagtgggga	300
gttctgccag	gtaagcagat	gttgtctccc	aagttcctga	cccagatgtc	tggcaggata	360

acgctgacct gttccctcaa caagggacct gaaagtaatt ttgctcttta c

411

<210> 110

<211> 451

<212> DNA

<213> Homo sapien

<400> 110

ccgaattcaa	gcgctcaacga	tccytccctt	accatcaa	caattggcca	ccaatggtac	60
tgaacctacg	agtacaccga	ctacgggcgg	actaatcttc	aactcctaca	tacttcccc	120
attattccta	gaaccaggcg	acctgcgact	ccttgacgtt	gacaatcgag	tagtactccc	180
gattgaagcc	cccattcgta	taataattac	atcacaagac	gtcttgcaact	catgagctgt	240
ccccacatta	ggcttaaaaa	cagatgcaat	tcccggacgt	ctaagccaaa	ccactttcac	300
cgtacacga	cggggggtat	actacgggtca	atgctctgaa	atctgtggag	caaaccacag	360
tttcatgccc	atcgctcctag	aattaattcc	cctaaaaatc	tttgaaatag	ggcccgtatt	420
taccctatag	cacccctct	acccctcta	g			451

<210> 111

<211> 541

<212> DNA

<213> Homo sapien

<400> 111

gctcttcaca	cttttattgt	taattctctt	cacatggcag	atacagagct	gtcgtcttga	60
agaccaccac	tgaccaggaa	atgccacttt	tacaaaatca	tcccccttt	tcatgattgg	120
aacagttttc	ctgaccgtct	gggagcgttg	aagggtgacc	agcacatttg	cacatgcaaa	180
aaaggagtga	ccccaaaggcc	tcaaccacac	ttcccagagc	tcaccatggg	ctgcagggtga	240
cttgccagggt	ttgggggttcg	tgagctttcc	ttgctgctgc	gggtggggagg	ccctcaagaa	300
ctgagaggcc	gggggtatgct	tcatgagtgt	taacatttac	gggacaaaag	cgcattcata	360
ggataaggaa	cagccacagc	acttcatgct	tgtgagggtt	agctgtagga	gcgggtgaaa	420
ggattccagt	ttatgaaaat	ttaaagcaaa	caacggtttt	tagctgggtg	ggaaacagga	480
aaactgtgat	gtcggccaat	gaccaccatt	tttctgcccc	tgtgaaggtc	cccatgaaac	540
c						541

<210> 112

<211> 521

<212> DNA

<213> Homo sapien

<400> 112

caagcgcttg	gcgtttggac	ccagttcagt	gaggttcttg	ggttttgtgc	ctttggggat	60
tttggtttga	cccaggggtc	agccttagga	aggtcttcag	gaggaggccg	agttcccctt	120
cagtaccacc	cctctctccc	cactttccct	ctcccggcaa	catctctggg	aatcaacagc	180
atattgacac	gttggagccg	agcctgaaca	tgcccctcgg	ccccagcaca	tggaaaaccc	240
ccttccttgc	ctaagggtgc	tgagtttctg	gctcttgagg	catttccaga	cttgaaattc	300
tcatcagtec	attgctcttg	agtctttgca	gagaacctca	gatcagggtc	acctgggaga	360
aagactttgt	cccacttac	agatctatct	cctcccttgg	gaagggcagg	gaatggggac	420
ggtgtatgga	ggggaaggga	tctcctgcgc	ccttcattgc	cacacttggg	gggaccatga	480
acatctttag	tgtctgagct	tctcaaatta	ctgcaatagg	a		521

<210> 113

<211> 568

<212> DNA

<213> Homo sapien

<400> 113

agcgtcaaat	cagaatggaa	aagactcaaa	accatcatca	acaccaagat	caaaaggaca	60
------------	------------	------------	------------	------------	------------	----

agratccttc	aagaaacagg	aaaaaactcc	taaaacacca	aaaggaccta	gttctgtaga	120
agacattaaa	gcaaaaatgc	aagcaagtat	agaaaaaggt	ggttctcttc	ccaaagtgga	180
agccaaattc	atcaattatg	tgaagaattg	cttccggatg	actgaccaag	aggctattca	240
agatctctgg	cagtggagga	agtctcttta	agaaaatagt	ttaaacaatt	tgtaaataaa	300
ttttccgtct	tatttcattt	ctgtaacagt	tgatatctgg	ctgtcccttt	tataatgcag	360
agtgagaact	ttccctaccg	tgtttgataa	atgtttgtcca	ggttctattg	ccaagaatgt	420
gttgtccaaa	atgcctgttt	agtttttaaa	gatggaaactc	caccctttgc	ttgggttttaa	480
gtatgtatgg	aatgttatga	taggacatag	tagtagcggg	ggtcagacat	ggaaatgggtg	540
gsgmgacaaa	aatatacatg	tgaaataa				568

<210> 114
 <211> 483
 <212> DNA
 <213> Homo sapien

<400> 114						
tccgaattcc	aagcgaatta	tggacaaacg	attcctttta	gaggattact	tttttcaatt	60
tcgggttttag	taatctaggc	tttgctgtga	aagaatacaa	cgatggattt	taaatactgt	120
ttgtggaatg	tgtttaaagg	attgattcta	gaacctttgt	atatttgata	gtattttctaa	180
ctttcatttc	tttactgttt	gcagttaatg	ttcatgttct	gctatgcaat	cgttttatatg	240
cacgtttctt	taattttttt	agatttttct	ggatgtatag	tttaaacaac	aaaaagtcta	300
tttaaaactg	tagcagtagt	ttacagttct	agcaaagagg	aaagtgtgtg	ggttaaactt	360
tgtattttct	ttcttataga	ggcttctaaa	aaggatattt	tatatgttct	ttttaacaaa	420
tattgtgtac	aaccttttaa	acatcaatgt	ttggatcaaa	acaagaccca	gcttatttttc	480
tgc						483

<210> 115
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 115						
tgtggtggcg	cgggctgagg	tggaggccca	ggactctgac	cctgcccctg	ccttcagcaa	60
ggcccccggc	agcgccggcc	actacgaact	gccgtgggtt	gaaaaatata	ggccagtaaa	120
gctgaatgaa	attgtcggga	atgaagacac	cgtgagcagg	ctagaggtct	ttgcaaggga	180
aggaaatgtg	cccaacatca	tcattgcggg	ccctccagga	accggcaaga	ccacaagcat	240
tctgtgcttg	gcccgggccc	tgtctggccc	agcactcaaa	gatgccatgt	tggaactcaa	300
tgcttcaaat	gacaggggca	ttgacgttgt	gaggaataaa	attaaaatgt	ttgctcaaca	360
aaaagtcact	cttcccaaa	gccgacataa	gatcatcatt	ctggatgaag	cagacagcat	420
gaccgacgga	gcccgcaag	ccttgaggag	aaccatggaa	atctactcta	aaaccactcg	480
ttcgcccttg	cttgtaatgc	ttcggataag	atcatcgagc	c		521

<210> 116
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 116						
ctttgcaaag	ctttttatttc	atgtctgcgg	catggaatcc	acctgcacat	ggcatcttag	60
ctgtgaagga	gaaagcagtg	cacgagaagg	aatgagtggg	cggaaccaac	ggcctccaca	120
agctgccttc	cagcagcctg	ccaaggccat	ggcagagaga	gactgcaaac	aaacacaagc	180
aaacagagtc	tcttcacagc	tggagtctga	aagctcatag	tggcatgtgt	gaatctgaca	240
aaattaaaag	tgtgcatagt	ccattacatg	cataaaacac	taataataat	cctgtttaca	300
cgtgactgca	gcaggcaggt	ccagctccac	cactgccctc	ctgccacatc	acatcaagtg	360
ccatggttta	gaggggtttt	catatgtaat	tctttttattc	tgtaaaagggt	aacaaaatat	420
acagaacaaa	actttccctt	tttaaaacta	atgttacaaa	tctgtattat	cacttggata	480
taaatagtat	ataagctgat	c				501

<210> 117
 <211> 451
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 117
 caagggatat atgttgaggg tacrgrgtga cactgaacag atcacaaagc acgagaaaca 60
 ttagttctct ccctccccag cgtctccttc gtctccctgg ttttccgatg tccacagagt 120
 gagattgtcc ctaagtaact gcatgatcag agtgctgkct ttataagact cttcattcag 180
 cgtatccaat tcagcaattg cttcatcaaa tgccgttttt gccaggctac aggccttttc 240
 aggagagttt agaatctcat agtaaaagac tgagaaattt agtgccagac caagacgaat 300
 tgggtgtgta ggctgcattt ctttcttact aatttcaaag gcttctggtt aagcctgctg 360
 ggagttcgac acaagtgggt tgtttgttgc tccagatgcc acttcagaaa gatacctaaa 420
 ataatctcct ttcattttca aagtagaaca c 451

<210> 118
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 118
 tccggagccg gggtagtcgc cgccgcgcgc gccggtgcag ccaactgcagg caccgctgcc 60
 gccgcctgag tagtgggctt aggaaggaag aggtcatctc gctcggagct tcgctcggaa 120
 gggctctttgt tccctgcagc cctcccacgg gaatgacaat ggataaaagt gagctggtac 180
 agaaagccaa actcgtgagc caggctgagc gatatgatga tatggctgca gccatgaagg 240
 cagtcacaga acaggggcat gaactctcca acgaagagag aaatctgctc tctgttgctt 300
 acaagaatgt ggtaaggccg cccgcgcgctc ttcctggcgt gtcactctcca gcattgagca 360
 gaaaacagag aggaatgaga agaagcagca gatgggcaaa gaggaccgtg agaagataga 420
 ggcagaactg caggacatct gcaatgatgt tctggagctt gttggacaaa tatcttattc 480
 caatgctaca caaccagaa a 501

<210> 119
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 119
 aaaaagcagc argttcaaca caaaatagaa atctcaaagt taggatagaa caaaaccaag 60
 tgtgtgaggg gggaagcaac agcaaaagga agaaatgaga tgttgcaaaa aagatggagg 120
 agggttcccc tctcctctgg ggactgactc aaacactgat gtggcagtat acaccattcc 180
 agagtcaggg gtgttcattc ttttttgga gtaagaaaag gtggggatta agaagacgtt 240
 tctggaggct tagggaccaaa ggctggtctc tttccccct cccaaccccc ttgatccctt 300
 tctctgatca ggggaaagga gctcgaatga gggaggtaga gttggaaagg gaaaggattc 360
 cacttgacag aatgggacag actccttccc a 391

<210> 120
 <211> 421
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

<400> 120
 tggcaatagc acagccatcc aggagctctt cargcgcac tcggagcagt tcaactgccat 60
 gttccgccgg aaggccttcc tccactggta cacaggcgag ggcattggac agatggagtt 120
 caccgaggct gagagcaaca tgaacgacct cgtctctgag tatcaagcag taccaggatg 180
 ccaccgcaga agaggaggag gatttcggtg aggaggccga agaggaggcc taaggcagag 240
 cccccatcac ctccaggcttc tcagttccct tagccgtctt actcaactgc ccctttcctc 300
 tccctcagaa tttgtgtttg ctgcctctat cttgtttttt gttttttctt ctgggggggt 360
 ctagaacagt gcctggcaca tagtaggcgc tcaataaata cttgggtgnt gaatgtctcc 420
 t 421

<210> 121
 <211> 206
 <212> DNA
 <213> Homo sapien

<400> 121
 agctggcgct agggctcggt tgtgaaatac agcgtrgtca gcccttgccg tcagtgtaga 60
 aaccacgcc tgtaaggctg gtcttcgtcc atctgctttt ttctgaaata cactaagagc 120
 agccacaaaa ctgtaacctc aaggaaacca taaagcttgg agtgccttaa tttttaacca 180
 gtttccaata aaacggttta ctacct 206

<210> 122
 <211> 131
 <212> DNA
 <213> Homo sapien

<400> 122
 ggagatgaag atgaggaagc tgagtcagct acgggcargc gggcagctga agatgatgag 60
 gatgacgatg tcgataccaa gaagcagaag accgacgagg atgactagac agcaaaaaag 120
 gaaaagttaa a 131

<210> 123
 <211> 231
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(231)
 <223> n = A,T,C or G

<400> 123
 gatgaaaatt aaatacttaa attaatacaa aggactacg ataccaccta aaacctactg 60
 cctcagtggc agtakgctaa kgaagatcaa gctacagsac atyatcta atgaatgtta 120
 gcaattacat akcargaagc atgtttgctt tccagaagac tatggnacaa tgggtcattwg 180
 ggccaagag gatatttggc cnggaaagga tcaagataga tnaangtaaa g 231

<210> 124
 <211> 521
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 124
 gagtagcaac gcaaagcgct tggatttgag tctgtgggsg acttcgggttc cggctctctgc 60
 agcagccgtg atcgcttagt ggagtgccta gggtagttgg ccaggatgcc gaatatcaaa 120
 atcttcagca ggcagctccc accaggactt atctcasaaa attgctgacc gcctgggcct 180
 ggagctaggc aaggtgggtga ctaagaaatt cagcaaccag gagacctgtg tggaaattgg 240
 tgaaagtgtg ccgtggagag gatgtctaca ttgttcagag tggntgtggc gaaatcaatg 300
 acaattttaat ggagcttttg atcatgatta atgcctgcaa gattgcttca gccagccggg 360
 ttactgcagt catcccatgc ttcccttatg ccccggcagg ataagaaaga tnagagccgg 420
 gccgccaatc tcagccaagc ttggtgcaaa tatgctatct gtagcagtgc agatcatatt 480
 atcaccatgg acctacatgc ttctcaaatt canggctttt t 521

<210> 125
 <211> 341
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 125
 atgcaaaagg ggacacaggg ggttcaaaaa taaaaatttc ttttccccct ccccaaacct 60
 gtaccccgagc tccccgacca caacccctt cctccccggg ggaaagcaag aaggagcagg 120
 tgtggcatct gcagctggga agagagagggc cggggagggtg ccgagctcgg tgcgtgtctc 180
 tttccaaata taaatacgtg tgtcagaact ggaaaatcct ccagcaccca ccaccaagc 240
 actctccgtt ttctgccggg gtttggagag gggcggnngg caggggagcc aggcaccggc 300
 tggctgcggg ctactgcata cgctgggtgt gcaccccgcg a 341

<210> 126
 <211> 521
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 126
 aggttgagga aggtcatgca ggtgcagatt gtccaggskc agccacaggg tcaagcccaa 60
 caggcccaga gtggcactgg acagaccatg caggatgatgc agcagatcat cactaacaca 120
 ggagagatcc agcagatccc ggtgcagctg aatgccggcc agctgcagta tatccgctta 180
 gccagcctg tatcaggcac tcaagttgtg caggacaga tccagacact tgccaccaat 240
 gctcaacaga ttacacagac agaggtccag caaggacagc agcagttcaa gccagttcac 300
 aagatggaca gcagctctac cagatccagc aagtcacat gcctgcgggc cangacctcg 360
 ccagcccatg ttcattccagt caagccaacc agccctttna cgggcaggcc cccaggtga 420
 ccggcgactg aagggcctga gctggcaagg ccaangacac ccaacacaat ttttgccata 480
 cagcccccag gcaatgggca cagcctttct tcccagagga c 521

<210> 127
 <211> 351
 <212> DNA

<213> Homo sapien

<400> 127

tgagatttat	tgcatttcat	gcagcttgaa	gtccatgcaa	aggrgactag	cacagttttt	60
aatgcattta	aaaaataaaa	gggaggtggg	cagcaaacac	acaaagtcct	agtttcctgg	120
gtccctggga	gaaaagagtg	tggcaatgaa	tccaccact	ctccacaggg	aataaatctg	180
tctcttaa	gcaaagaatg	tttccatggc	ctctggatgc	aaatacacag	agctctgggg	240
tcagagcaag	ggatggggag	aggaccacga	gtgaaaaagc	agctacacac	attcacctaa	300
ttccatctga	gggcaagaac	aacgtggcaa	gtcttggggg	tagcagctgt	t	351

<210> 128

<211> 521

<212> DNA

<213> Homo sapien

<400> 128

tccagacatg	ctcctgtcct	aggcggggag	caggaaccag	acctgctatg	ggaagcagaa	60
agagttaagg	gaaggtttcc	tttcattcct	gttccttctc	ttttgctttt	gaacagtttt	120
taaatatact	aatagctaag	tcatttgcca	gccagggtccc	ggtgaacagt	agagaacaag	180
gagcttgcta	agaattaatt	ttgctgtttt	tcacccatt	caaacagagc	tgccctgttc	240
cctgatggag	ttccattcct	gccagggcac	ggctgagtaa	cacgaagcca	ttcaagaaag	300
gcgggtgtga	aatcactgcc	accccatgga	cagaccctc	actcttcctt	cttagccgca	360
gcgctactta	ataaatatat	ttatactttg	aaattatgat	aaccgatttt	tcccatgcgg	420
catcctaagg	gcacttgcca	gctcttatcc	ggacagtcaa	gcactgttgt	tggacaacag	480
ataaaggaaa	agaaaaagaa	gaaaacaacc	gcaacttctg	t		521

<210> 129

<211> 521

<212> DNA

<213> Homo sapien

<400> 129

tgagacggac	cactggcctg	gtccccctc	atktgctgtc	gtaggacctg	acatgaaacg	60
cagatctagt	ggcagagagg	aagatgatga	ggaacttctg	agacgtcggc	agcttcaaga	120
agagcaatta	atgaagctta	actcaggcct	gggacagttg	atcttgaaag	aagagatgga	180
gaaagagagc	cgggaaaggt	catctctgtt	agccagtcgc	tacgattctc	ccatcaactc	240
agcttcacat	attccatcat	ctaaaactgc	atctctccct	ggctatggaa	gaaatgggct	300
tcaccggcct	gtttctaccg	acttcgctca	gtataacagc	tatggggatg	tcagcggggg	360
agtgcgagat	taccagacac	ttccagatgg	ccacatgcct	gcaatgagaa	tggaccgagg	420
agtgtctatg	cccaacatgt	tggaaaccaa	gatatttcca	tatgaaatgc	tcatggtgac	480
caacagaggg	ccgaaaccaa	atctcagaga	ggtggacaga	a		521

<210> 130

<211> 270

<212> DNA

<213> Homo sapien

<400> 130

tcactttatt	tttcttgtat	aaaaacccta	tggtgtagcc	acagctggag	cctgagtccg	60
ctgcacggag	actctgggtg	gggtcttgac	gaggtggtca	gtgaaactcct	gatagggaga	120
cttggtgaat	acagtctcct	tccagaggtc	gggggtcagg	tagctgtagg	tcttagaaat	180
ggcatcaaag	gtggccttgg	cgaagttgcc	caggggtggca	gtgcagcccc	gggctgaggt	240
gtagcagtca	tcgataccag	ccatcatgag				270

<210> 131

<211> 341

<212> DNA

<213> Homo sapien

<400> 131

ctggaatata	gacccgtgat	cgacaaaact	ttgaacgagg	ctgactgtgc	caccgtccc	60
ccagccattc	gctcctactg	atgagacaag	atgtgggtgat	gacagaatca	gcttttgtaa	120
ttatgtataa	tagctcatgc	atgtgtccat	gtcataactg	tcttcatacg	cttctgcact	180
ctggggaaga	aggagtacat	tgaagggaga	ttggcaccta	gtggctggga	gcttgccagg	240
aacccagtgg	ccagggagcg	tggcacttac	ctttgtccct	tgcttcattc	ttgtgagatg	300
ataaaactgg	gcacagctct	taaataaaaat	ataaatgaac	a		341

<210> 132

<211> 844

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(844)

<223> n = A,T,C or G

<400> 132

tgaatgggga	ggagctgacc	caggaaatgg	agcttgnnga	gaccaggcct	gcaggggatg	60
gaaccttcca	gaagtgggca	tctgtggtgg	tgccctcttg	gaaggagcag	aagtacacat	120
gccatgtgga	acatgagggg	ctgcctgagc	ccctcaccct	gagatggggc	aaggaggagc	180
ctccttcac	caccaagact	aacacagtaa	tcattgctgt	tccggttgtc	cttgagctg	240
tggtcaccc	tggagctgtg	atggcttttg	tgatgaagag	gaggagaaac	acaggtggaa	300
aaggagggga	ctatgctctg	gctccaggct	cccagagctc	tgatagtgt	ctcccagatt	360
gtaaagtgtg	aagacagctg	cctgggtgtg	acttggtgac	agacaatgtc	ttcacacatc	420
tcctgtgaca	tccagagacc	tcagttctct	ttagtcaagt	gtctgatgtt	ccctgtgagt	480
ctgcgggctc	aaagtgaaga	actgtggagc	ccagtcacac	cctgcacacc	aggaccctat	540
ccctgcactg	ccctgtgttc	ccttccacag	ccaaccttgc	tgctccagcc	aaacattggt	600
ggacatctgc	agcctgtcag	ctccatgcta	ccctgacctt	caactcctca	cttccacact	660
gagaataata	atttgaatgt	gggtggctgg	agagatggct	cagcgctgac	tgctcttcca	720
aaggtcctga	gttcaaacc	cagcaaccac	atggtggctc	acaaccatct	gtaatgggat	780
ctaataccct	cttctgcagt	gtctgaagac	asctacagtg	tacttacata	taataataaa	840
taag						844

<210> 133

<211> 601

<212> DNA

<213> Homo sapien

<400> 133

ggccgggagc	gcgcgcccc	gccacacgca	cgccgggagc	gccagtttat	aaaggagag	60
agcaagcagc	gagtcctgaa	gctctgtttg	gtgcttttga	tccatttcca	tcggctccta	120
cagccgctcg	tcagactcca	gcagccaaga	tggtgaagca	gatcgagagc	aagactgctt	180
ttcaggaagc	cttgagcgt	gcaggtgata	aacttgtagt	agttgacttc	tcagccacgt	240
ggtgtggggc	ttgcaaaatg	atcaagcctt	tctttcattc	cctctctgaa	aagtattcca	300
acgtgatatt	ccttgaagta	gatgtggatg	actgtcagga	tgttgcttca	gagtgtgaag	360
tcaaattgat	gccaacattc	cagtttttta	agaagggaca	aaagggtggg	gaattttctg	420
gagccaataa	ggaaaagcct	gaagccacca	ttaatgaatt	agtctaatac	tgttttctga	480
aatataaacc	agccattggc	tattttaaacc	ttgtaatatt	tttaattttac	aaaaatataa	540
aatatgaaga	cataaaccm	gttgccatct	gcgtgacaat	aaaacattaa	tgctaacact	600
t						601

<210> 134

<211> 421

<212> DNA

<213> Homo sapien

<400> 134

tcacataaga	aattttaagca	agttacrota	tcttaaaaaa	cacaacgaat	gcatttttaat	60
agagaaaccc	ttccctccct	ccacctccct	ccccaccct	cctcatgaat	taagaatcta	120
agagaagaag	taaccataaa	accaagtttt	gtggaatcca	tcattccagag	tgcttacatg	180
gtgattaggt	taatatgtgc	ttcttacaaa	atttctattt	taaaaaaaat	tataaccttg	240
attgcttatt	acaaaaaaat	tcagtacaaa	agttcaatat	attgaaaaat	gcttttcccc	300
tccttcacag	caccgtttta	tatatagcag	agaataatga	agagattgct	agtctagatg	360
gggcaatctt	caaattacac	caagacgcac	agtggtttat	ttaccctccc	cttctcataa	420
g						421

<210> 135

<211> 511

<212> DNA

<213> Homo sapien

<400> 135

ggaaaggatt	caagaattag	aggacttgct	tgctrragaa	aaagacaact	ctcgtcgcac	60
gctgacagac	aaagagagag	agatggcgga	aataagggat	caaatgcagc	aacagctgaa	120
tgactatgaa	cagcttcttg	atgtaaagtt	agccctggac	atggaaatca	gtgcttacag	180
gaaactctta	gaaggcgaag	aagagagggt	gaagctgtct	ccaagccctt	cttcccgtgt	240
gacagtatcc	cgagcatcct	caagtcgtag	tgtaccgtac	aactagagga	aagcgggaaga	300
gggttgatgt	ggaagaatca	gaggcggaag	agtagtggtt	gcattctctca	ttccgcctca	360
accactggaa	atgtttgcat	cgaagaaatt	gatgttgatg	ggaaatttat	cccgtttgaa	420
gaacacttct	gaacaggatc	aaccaatggg	aaggcttggg	agatgatcag	aaaaattgga	480
gacacatcag	tcagttataa	atatacctca	a			511

<210> 136

<211> 341

<212> DNA

<213> Homo sapien

<400> 136

catgggtttc	accaggttgg	ccaggetgct	cttgaactsc	tgacctcagg	tgatccaccc	60
gcctcggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	accacgcccg	gccccaaag	120
ctgtttcttt	tgtcttttagc	gtaaagctct	cctgccatgc	agtatctaca	taactgacgt	180
gactgccagc	aagctcagtc	actccgtggt	ctttttctct	ttccagttct	tctctctctc	240
ttcaagttct	gcctcagtga	aagctgcagg	tccccagtta	agtgatcagg	tgagggttct	300
ttgaacctgg	ttctatcagt	cgaattaatc	cttcatgatg	g		341

<210> 137

<211> 551

<212> DNA

<213> Homo sapien

<400> 137

gatgtgttgg	accctctgtg	tcaaaaaaaa	cctcacaaag	aatcccctgc	tcattacaga	60
agaagatgca	tttaaaatat	gggttatatt	caacttttta	tctgaggaca	agtatccatt	120
aattattgtg	tcagaagaga	ttgaatacct	gcttaagaag	cttacagaag	ctatgggagg	180
aggttggcag	caagaacaat	ttgaacatta	taaaatcaac	tttgatgaca	gtaaaaatgg	240
cctttctgca	tgggaactta	ttgagcttat	tggaaatgga	cagtttagca	aaggcatgga	300
ccggcagact	gtgtctatgg	caattaatga	agtccttaat	gaacttata	tagatgtgtt	360
aaagcagggt	tacatgatga	aaaagggcc	cagacggaaa	aactggactg	aaagatgggt	420
tgtactaaaa	cccaacataa	tttcttacta	tgtgagtga	gatctgaagg	ataagaaagg	480
agacattctc	ttggatgaaa	attgctgtgt	agaagtcctt	gcctgacaaa	agatggaaa	540

aaatgccttt t

551

<210> 138
 <211> 531
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 138

gactggttct	ttatttcaaa	aagacacttg	tcaatattca	gtrtcaaaac	agttgcacta	60
ttgatttctc	tttctcccaa	tcggcccca	agagaccaca	taaaaggaga	gtacatttta	120
agccaataag	ctgcaggatg	tacacctaac	agacctccta	gaaaccttac	cagaaaatgg	180
ggactgggta	gggaaggaaa	cttaaaagat	caacaaactg	ccagcccacg	gactgcagag	240
gctgtcacag	ccagatgggg	tggccagggt	gccacaaacc	caaagcaaag	tttcaaaata	300
atataaaatt	taaaaagttt	tgtacataag	ctattcaaga	tttctccagc	actgactgat	360
acaaagcaca	attgagatgg	cacttctaga	gacagcagct	tcaaaccag	aaaagggtga	420
tgagatgaag	tttcacatgg	ctaaatcagt	ggcaaaaaca	cagtcttctt	tctttctttc	480
tttcaaggan	gcaggaaagc	aattaagtgg	tcaccttaac	ataaggggga	c	531

<210> 139
 <211> 521
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 139

tgggtgggca	ccatggctgg	gatcaccacc	atcgaggcgg	tgaagcgcaa	gatccaggtt	60
ctgcagcagc	aggcagatga	tgcagaggag	cgagctgagc	gcctccagcg	agaagttgag	120
ggagaaaggc	gggcccggga	acaggctgag	gctgaggtgg	cctccttgaa	ccgtaggatc	180
cagctggttg	aagaagagct	ggaccgtgct	caggagcgcc	tggccactgc	cctgcaaaaag	240
ctggaagaag	ctgaaaaagc	tgctgatgag	agtgagagag	gtatgaaggt	tattgaaaac	300
cgggccttaa	aagatgaaga	aaagatggaa	ctccaggaaa	tccaactcaa	agaagctaag	360
cacattgcag	aagaggcaga	taggaagtat	gaagaggtgg	ctcgtaagtt	ggtgatcatt	420
gaaggagact	tggaaccgca	cagaaggaaac	gagcttgagc	ttggcaaaaag	tcccgttgcc	480
cagagatggg	atgaaccaga	ttagactgat	ggaccanaac	c		521

<210> 140
 <211> 571
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 140

aggggcnegc	ggtgcgtggg	ccactgggtg	accgacttag	cctggccaga	ctctcagcac	60
ctggaagcgc	cccagagatg	acagcgtgag	gctgggaggg	aggacttggc	ttgagcttgt	120

taaactctgc	tctgagcctc	cttgctgcct	gcatttagat	ggctcccgca	aagaagggtg	180
gcgagaagaa	aaagggccgt	tctgccatca	acgaagtggg	aacccgagaa	tacaccatca	240
acattcacia	gcgcatccat	ggagtgggct	tcaagaagcg	tgacacctcg	gcactcaaag	300
agattcgga	atttgccatg	aaggagatgg	gaactccaga	tgtgcgcatt	gacaccaggc	360
tcaacaaagc	tgtctggggc	aaaggaataa	ggaatgtgcc	ataccgaatc	cgggtgtgcg	420
ctgtccagaa	aacgtaatga	ggatgaagat	tcaccaaata	agctatatatac	tttggttacc	480
tatgtacctg	ttaccacttt	caaaaatcta	cagacagtca	atgtggatga	gaactaatcg	540
ctgatcgta	gatcaaataa	agttataaaa	t			571

<210> 141
 <211> 531
 <212> DNA
 <213> Homo sapien

<400> 141

tggggagcca	cacttgggcc	tcttctctc	caaagsgcca	gaacctcctt	ctctttggag	60
aatggggagg	cctcttgagg	acacagaggg	tttcaccttg	gatgacctct	agagaaattg	120
cccaagaagc	ccaccttctg	gtcccaacct	gcagacccca	cagcagtcag	ttggtcaggc	180
cctgctgtag	aaggtaactt	ggctccattg	cctgcttcca	accaatgggc	aggagagaag	240
gcctttat	ctcgccacc	cattcctcct	gtaccagcac	ctccgttttc	agtcagtgtt	300
gtccagcaac	ggtaccgttt	acacagtcac	ctcagacaca	ccatttcacc	tcccttgcca	360
agctgttagc	cttagagtga	ttgcagtga	cactgtttac	acaccgtgaa	tccattccca	420
tcagtccatt	ccagttggca	ccagcctgaa	ccatttggtg	cctgggtgta	actggagtcc	480
tgtttacaag	gtggagtcgg	ggcttgctga	cttctcttca	tttgagggca	c	531

<210> 142
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 142

acctagacag	aaggtgggtg	agggaggact	ggtaggaggg	tgaggcaatt	ccttggtagt	60
ttgtcctgaa	accctactgg	agaagtcagc	atgaggcacc	tactgagaga	agtgccca	120
aactgctgac	tgcattctgt	aagagttaac	agtaaagagg	tagaagtgtg	tttctgaatc	180
agagtggaa	cgtctcaagg	gtcccaacgt	ggaggtccct	gagctacctc	ccttccgtga	240
gtgggaagag	tgaagcccat	gaagaactga	gatgaagcaa	ggatgggggt	cctgggctcc	300
aggcaagggc	tgtgctctct	gcagcaggga	gccccacgag	tcagaagaaa	agaactaatc	360
atttgttgca	agaaaccttg	cccggatact	agcggaaaac	tgagggcggg	ggtgggggca	420
caggaaagt	gaagtgattt	gatggagagc	agagaagcct	atgcacagt	gccgagtcca	480
cttgtaaagt	g					491

<210> 143
 <211> 515
 <212> DNA
 <213> Homo sapien

<400> 143

ttcaagcaat	tgtaacaagt	atatgtagat	tagagtgagc	aaaatcatat	acaattttca	60
tttccagttg	ctattttcca	aattgttctg	taatgtcggt	aaaattactt	aaaaattaac	120
aaagccaaaa	atttatattt	tgacaagaaa	gccatcccta	cattaatctt	acttttccac	180
tcaccggccc	atctccttcc	tctttttcct	aactatgcca	ttaaaaactgt	tctactgggc	240
cgggcgtgtg	gctcatgcct	gtaatcccag	cattttggga	ggccaaggca	ggcggatcat	300


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<210> 144
<211> 340
<212> DNA
<213> Homo sapien
```

```
<210> 145
<211> 630
<212> DNA
<213> Homo sapien
```

```
<210> 146
<211> 521
<212> DNA
<213> Homo sapien
```

```
<210> 147
<211> 562
<212> DNA
<213> Homo sapien
```

<400> 147

ggcatgcgag	cgcactcggc	ggacgcaagg	gcggcgggga	gcacacggag	cactgcaggc	60
gccgggttgg	gacagcgtct	tcgctgctgc	tggatagtcg	tgttttcggg	gatcgaggat	120
actcaccaga	aaccgaaaat	gccgaaacca	atcaatgtcc	gagttaccac	catggatgca	180
gagctggagt	ttgcaatcca	gccaaataca	actggaaaac	agctttttga	tcaggtggta	240
aagactatcg	gcctccggga	agtgtggtac	tttggcctcc	actatgtgga	taataaagga	300
tttctacct	ggctgaagct	ggataagaag	gtgtctgccc	aggaggtcag	gaaggagaat	360
cccctccagt	tcaagttccg	ggccaaagtt	ctaccctgaa	gatgtggctg	aggagctcat	420
ccaggacatc	accagaaaac	ttttcttcct	tcaagtgaag	gaaggaatcc	ttagcgatga	480
gatctactgc	cccccttgar	actgccgtgc	tcttgggggc	ctacgcttgt	gcatgccaaag	540
tttggggact	accaccaaga	ag				562

<210> 148

<211> 820

<212> DNA

<213> Homo sapien

<400> 148

gaaggagtcg	ggatactcag	cattgatgca	ccccaatttc	aaagcggcat	tcttcggcag	60
gtctctggga	caatctctag	ggtcactacc	tggaaactcg	ttaggggtaca	actgaatgct	120
gaaaggaaaag	aacacctgca	gaaccggaca	gaaattcacc	ccggcgatca	gctgattgat	180
ctcggtcgac	cagaagtcac	ggctaaagat	gacgaggacg	ttgtcaattc	cctgggcttt	240
tcgaagttag	tccagcagca	gtctgaggta	ttcgggcccg	ttatgcacct	ggaccaccag	300
caccagctcc	cggggggccc	aggtgccagc	cttatctaca	ttcctcaggg	tctgatcaaa	360
gttcagctgg	tacaccaggg	accggtaccg	cagcgtcagg	ttgtccgctc	gggtcggggg	420
accgccggga	ccagggaagc	cgccgacacg	ttggagaccc	tgcggatgcc	cacagccaca	480
gaggggtggt	ccccaccgcg	gccgccggca	ccccgcgcgg	gttcggcgct	cagcaacggc	540
ggggcgaggg	cctcggttctt	cctttgtcgc	ccattgctgc	tccagaggac	gaagccgcag	600
gcggccacca	cgagcgtcag	gattagcacc	ttccgtttgt	agatgcggaa	cctcatggct	660
tccagggccg	ggagcgcagc	tacagctcga	gcgtcggcgc	cgccgctagg	agccgcggct	720
cggcttcgtc	tccgtcctct	ccattcagca	ccacgggtcc	cggaaaaagc	tcagccscgg	780
tcccaaccgc	accctagctt	cgttacctgc	gcctcgtctg			820

<210> 149

<211> 501

<212> DNA

<213> Homo sapien

<400> 149

cagattttta	tttgcagtcg	tactggggc	cgtttcttgc	tgcttatttg	tctgctagcc	60
tgctcttcca	gctgcatggc	caggcgcaag	gccttgatga	catctcgag	ggctgagaaa	120
tgcttggtct	gctgggcccag	agcagattcc	gctttgttca	caaaggctc	caggatcatag	180
tctggctgct	cggatcatct	agagagctca	agccagctct	gtccttgctg	tatgatctcc	240
ttgagctctt	ccatagcctt	ctcctccagc	tccctgatct	gagtcattgg	ttcggttaaag	300
ctggacatct	gggaagacag	ttcctcctct	tccttgagata	aattgcctgg	aatcagcgcc	360
ccgttagagc	aggcttccat	ctcttctggt	tccatttgaa	tcaactgctc	tccactgggc	420
ccactgtggg	ggctcagctc	cttgaccctg	ctgcatatct	taagggtggt	ttaaaggatat	480
tcacaggagc	ttatgcctgg	t				501

<210> 150

<211> 511

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 150

ctcctcttgg	tacatgaacc	caagttgaaa	gtggacttaa	caaagtatct	ggagaaccaa	60
gcattctgct	ttgactttgc	atttgatgaa	acagcttcga	atgaagttgt	ctacaggttc	120
acagcaaggc	cactggtaca	gacaatcttt	gaaggtggaa	aagcaacttg	ttttgcatat	180
ggccagacag	gaagtggcaa	gacacatact	atgggcggag	acctctctgg	gaaagcccag	240
aatgcatcca	aagggatcta	tgccatggcc	ttccgggacg	tcttcttctg	aagaatcaac	300
cctgctaccg	gaagttgggc	ctggaagtct	atgtgacatt	cttcgagatc	tacaatggga	360
agctgtttga	cctgctcaac	aagaaggcca	agcttgccgcg	tgctggaaga	cggcaagcaa	420
caggtgcaag	tggtgggggc	ttgcaggaac	atctggntaa	ctctgcttga	tgatggcant	480
caagatgata	gacatgggca	gcgcctgcag	a			511

<210> 151

<211> 566

<212> DNA

<213> Homo sapien

<400> 151

tcccgaattc	aagcgacaaa	ttggawagt	aaatggaaga	tgccatcat	gaacatcagg	60
caaattcttt	gcgccaagat	ctgatgagac	gacaggaaga	attaagacgc	atggaagaac	120
ttcacaatca	agaaatgcag	aaacgtaaag	aaatgcaatt	gaggcaagag	gaggaacgac	180
gtagaagaga	ggaagagatg	atgattcgtc	aacgtgagat	ggaagaacaa	atgaggcgcc	240
aaagagagga	aagttacagc	cgaatgggct	acatggatcc	acgggaaaga	gacatgcgaa	300
tgggtggcgg	aggagcaatg	aacatgggag	atccctatgg	ttcaggaggc	cagaaatttc	360
caacctctag	aggtggtggt	ggcatagggt	atgaagctaa	tcctggcggt	ccaccagcaa	420
ccatgagtgg	ttccatgatg	ggaagtgaca	tgcgtactga	gcgctttggg	cagggagggtg	480
cggggcctgt	gggtggacag	ggtcctagag	gaatggggcc	tggaactcca	gcaggatatg	540
gtagagggag	agaagagtac	gaaggc				566

<210> 152

<211> 518

<212> DNA

<213> Homo sapien

<400> 152

ttcgtgaaga	ccctgactgg	taagaccatc	actctcgaag	tggagcccga	gtgacaccat	60
tgagaatgtc	aaggcaaaga	tccaagacaa	ggaaggcatc	cctcctgacc	agcakagggt	120
gatctttgct	gggaaacagc	tggaagatgg	acgcaccctg	tctgactaca	acatccagaa	180
agagtccacc	ctgcacctgg	tgctccgtct	cagaggtggg	atgcaaatct	tcgtgaagac	240
cctgactggt	aagaccatca	ccctcgagggt	ggagcccagt	gacaccatcg	agaatgtcaa	300
ggcaaagatc	caagataagg	aaggcatccc	tctgatcag	cagaggttga	tctttgctgg	360
gaaacagctg	gaagatggac	gcaccctgtc	tgactacaac	atccagaaag	agtccactct	420
gcacttggtc	ctgcgcttga	gggggggtgt	ctaagtttcc	ccttttaagg	tttcaacaaa	480
tttcattgca	ctttcctttc	aataaagttg	ttgcattc			518

<210> 153

<211> 542

<212> DNA

<213> Homo sapien

<400> 153

gcgcgggtgc	gtgggccact	gggtgaccga	cttagcctgg	ccagactctc	agcacctgga	60
agcgcgccga	gagtgcacgc	gtgaggctgg	gagggaggac	ttggcttgag	cttggttaaac	120
tctgctctga	gcctccttgt	cgctgcatt	tagatggctc	ccgcaaagaa	gggtggcgag	180
aagaaaaagg	gcggttctgc	catcaacgaa	gtggtaaccc	gagaatacac	catcaacatt	240
cacaagcgca	tccatggagt	gggcttcaag	aagcgtgcac	ctcgggcact	caaagagatt	300

cggaattttg	ccatgaagga	gatgggaact	ccagatgtgc	gcattgacac	caggotcaac	360
aaagctgtct	gggccaagg	aataaggaat	gtgccatacc	gaatccgtgt	gcggotgtcc	420
agaaaacgta	atgaggatga	agattcacca	aataagctat	atacttttgt	tacctatgta	480
cctgttacca	ctttcaaaaa	tctacagaca	gtcaatgtgg	atgagaacta	atcgctgac	540
gt						542

<210> 154
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 154						
aattctttat	ttaaatacaac	aaactcatct	tcctcaagcc	ccagaccatg	gtaggcagcc	60
ctccctctcc	atccctcac	cccacccctt	agccacagt	aagggaatgg	aaaatgagaa	120
gccacgaggg	cccctgccag	ggaaggctgc	cccagatgtg	tggtgagcac	agtcagtga	180
gctgtggctg	gggcagcagc	tgccacaggc	tcctccctat	aaattaagtt	cctgcagcca	240
cagctgtggg	agaagcatac	ttgtagaagc	aaggccagtc	cagcatcaga	aggcagaggc	300
agcatcagt	actcccagcc	atggaatgaa	cggaggacac	agagctcaga	gacagaacag	360
gccaggggga	agaaggagag	acagaatagg	ccagggcatg	gcggtgaggg	a	411

<210> 155
 <211> 421
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

<400> 155						
tgatgaatct	gggtgggctg	gcagtagccc	gagatgatgg	gctcttctct	ggggatccca	60
actggttccc	taagaaatcc	aaggagaatc	ctcggaactt	ctcgataaac	cagctgcaag	120
agggcaagaa	cgtgatcggg	ttacagatgg	gcaccaaccg	cggggcgtct	cangcaggca	180
tgactggcta	cgggatgcc	cgccagatcc	tctgatccca	ccccaggcct	tgcccctgcc	240
ctcccacgaa	tggttaatat	atatgtagat	atatatttta	gcagtgcacat	tcccagagag	300
ccccagagct	ctcaagctcc	tttctgtcag	ggtggggggg	tcaagcctgt	cctgtcacct	360
ctgaagtgcc	tgctggcatc	ctctccccc	tgcttactaa	tacattccct	tccccatagc	420
c						421

<210> 156
 <211> 670
 <212> DNA
 <213> Homo sapien

<400> 156						
agcggagctc	cctcccctgg	tggtctacaac	ccacacacgc	caggctcagg	catcgagcag	60
aactccagcg	actgggtaac	cactgacatt	caggtgaagg	tgcgggacac	ctacctggat	120
acacaggtgg	tgggacagac	aggtgtcatc	cgcagtgtca	cggggggcat	gtgctctgtg	180
tacctgaagg	acagtgagaa	ggttgtcagc	atttccagtg	agcacctgga	gcctatcacc	240
cccaccaaga	acaacaaggt	gaaagtgatc	ctgggcgagg	atcggggaagc	cacgggcgtc	300
ctactgagca	ttgatggtga	ggatggcatt	gtccgtatgg	accttgatga	gcagctcaag	360
atcctcaacc	tccgcttcct	ggggaagctc	ctggaagcct	gaagcaggca	gggccggtgg	420
acttcgtcgg	atgaagagt	atcctccttc	cttccctggc	ccttggtgtg	gacacaagat	480
cctcctgcag	ggctaggcgg	attgttctgg	atttcccttt	gtttttccct	ttaggtttcc	540
atcttttccc	tccctggtgc	tcattggaat	ctgagtagag	tctgggggag	ggtccccacc	600
ttcctgtacc	tcctccccac	agcttgcttt	tggtgtaccg	tctttcaata	aaaagaagct	660

gtttggtcta

670

<210> 157
 <211> 421
 <212> DNA
 <213> Homo sapien

<400> 157

ggttcacagc	actgctgctt	gtgtgttgcc	ggccaggaat	tccaggctca	caaggctatc	60
ttagcagctc	gttctccggt	ttttagtgcc	atgtttgaac	atgaaatgga	ggagagcaaa	120
aagaatcgag	ttgaaatcaa	tgatgtggag	cctgaagttt	ttaaggaaat	gatgtgcttc	180
atttacacgg	ggaaggctcc	aaacctcgac	aaaatggctg	atgatttgct	ggcagctgct	240
gacaagtatg	ccctggagcg	cttaaaggtc	atgtgtgagg	atgccctctg	cagtaacctg	300
tccgtggaga	acgctgcaga	aattctcatc	ctggccgacc	tccacagtgc	agatcagttg	360
aaaactcagg	cagtggattt	catcaactat	catgcttcgg	atgtcttgga	gacctcttgg	420
g						421

<210> 158
 <211> 321
 <212> DNA
 <213> Homo sapien

<400> 158

tcgtagccat	ttttctgctt	ctttggagaa	tgacgccaca	ctgactgctc	attgtcgttg	60
gttccatgcc	aattggtgaa	atagaacctc	atccggtagt	ggagccggag	ggacatcttg	120
tcatcaacgg	tgatggtgcg	atttggagca	taccagagct	tggtgttctc	gccatacagg	180
gcaaagaggt	tgtgacaaag	aggagagata	cggcatgcct	gtgcagccct	gatgcacagt	240
tcctctgctg	tgtactctcc	actgcccagc	cggaggggct	ccctgtccga	cagatagaag	300
atcacttcca	cccctggctt	g				321

<210> 159
 <211> 596
 <212> DNA
 <213> Homo sapien

<400> 159

tggcacactg	ctcttaagaa	actatgawga	tctgagattt	ttttgtgtat	gtttttgact	60
cttttgagtg	gtaatcatat	gtgtctttat	agatgtacat	acctccttgc	acaaatggag	120
gggaattcat	tttcatcact	gggagtgtcc	ttagtgtata	aaaaccatgc	tggatatatg	180
cttcaagttg	taaaaaatgaa	agtgacttta	aaagaaaata	gggatggtc	caggatctcc	240
actgataaga	ctgttttttaa	gtaacttaag	gacctttggg	tctacaagta	tatgtgaaaa	300
aaatgagact	tactgggtga	ggaaattcat	tgttttaaaga	tggctcgtgtg	tgtgtgtgtg	360
tgtgtgtgtg	ttgtgttgtg	ttttgttttt	taagggaggg	aatttattat	ttaccgttgc	420
ttgaaattac	tgkgtaaata	tatgtytgat	aatgatttgc	tytttgvcma	ctaaaattag	480
gvctgtataa	gtwctaratg	cmtccctggg	kgttgatytt	ccmagatatt	gatgatamcc	540
cttaaaattg	taaccygcct	ttttcccttt	gctytc matt	aaagtctatt	cmaaag	596

<210> 160
 <211> 515
 <212> DNA
 <213> Homo sapien

<400> 160

gggggtaggc	tctttattag	acggttattg	ctgtactaca	gggtcagagt	gcagtgtgaag	60
cagtgtcaga	ggcccgctt	cagcccaaga	atgtggattt	tctctcccta	ttgatcacag	120
tgggtgggtt	tcttcagaaa	agccccagag	gcagggacca	gtgagctcca	aggttagaag	180
tggaaactgga	aggcttcagt	cacatgctgc	ttccacgctt	ccaggctggg	cagcaaggag	240

gagatgcccc	tgacgtgcc	ggtctcccc	tctgacacca	gtgaagtctg	gtaggacagc	300
agccgcacgc	ctgcctctgc	caggaggcca	atcatggtag	gcagcattgc	agggtcagag	360
gtctgagtc	ggaataggag	caggggcagg	tccctgcgga	gaggcacttc	tggcctgaag	420
acagctccat	tgagccctg	cagtacaggy	gtagtgcctt	ggaccaagcc	cacagcctgg	480
taaggggcgc	ctgccagggc	cacggccagg	aggca			515

<210> 161
 <211> 936
 <212> DNA
 <213> Homo sapien

<400> 161						
taattttctta	gtcgttttga	atccttaagc	atgcaaaagc	tttgaacaga	agggttcaca	60
aaggaaccag	ggttgtctta	tggcatccag	ttaagccaga	gctgggaatg	cctctgggtc	120
atccacatca	ggagcagaag	cacttgactt	gtcggtcctg	ctgccacggg	ttgggcgccc	180
accacgcccc	cgtccacctc	gtcctcccc	gccgccacgt	cctgggcggc	caaggtctcc	240
aaaattgatc	tccagctgag	acgttatatc	atttgctggc	ttccggaaat	gatgggtccat	300
aaccgaatct	tcagcatgag	cctcttcact	ctttgattta	tgaagaacaa	atcccttctt	360
ccactgccca	tcagcacctt	catttggttt	tcggatatta	aattctactt	ttgcccggtc	420
cttattttga	atagccttcc	actcatccaa	agtcattctt	tttggaccct	cctcttttac	480
ctcttcaact	tcattctcct	tattttcagt	gtctgccact	ggatgatgtt	cttcaccttc	540
aggtgtttcc	tcagtcacat	ttgattgac	caagtcagtt	aattcgtctt	tgacagtacc	600
ccagttgtga	gatccgctac	ctccacgttt	gtcctcgtgc	ttcaggccag	atctatcact	660
tccactatgc	ctatcaaatt	cacgtttgcc	acgagaatca	aatccatctc	ctcggcccat	720
tccacgtcca	cggccccctc	gacctcttcc	aagaccacca	cgacctcgaa	taggtcggtc	780
aataatcggg	ctatcaactg	aaaattegcc	tccttcaccc	ttttcttcaa	gtggcttttc	840
gaatcttcgt	tcacgaggtg	gtcgcctttc	tggtcttcta	tcaattattt	tcccttcacc	900
ctgaagttgt	tgatcaggtc	ttcttccaac	tcgtgc			936

<210> 162
 <211> 950
 <212> DNA
 <213> Homo sapien

<400> 162						
aagcggatgg	acctgagtca	gccgaatcct	agccccttcc	cttgggcctg	ctgtggtgct	60
cgacatcagt	gacagacgga	agcagcagac	catcaaggct	acgggaggcc	cggggcgctt	120
gcgaagatga	agttttggctg	cctctccttc	cggcagcctt	atgctggctt	tgtcttaaat	180
ggaatcaaga	ctgtggagac	gcgctggcgt	cctctgctga	gcagccagcg	gaactgtacc	240
atcgccgtcc	acattgctca	cagggactgg	gaaggcgatg	cctgtcggga	gctgctgggtg	300
gagagactcg	ggatgactcc	tgctcagatt	caggccttgc	tcaggaaagg	ggaaaagtth	360
ggtcgaggag	tgatagcggg	actcgttgac	attggggaaa	ctttgcaatg	ccccgaagac	420
ttaactcccg	atgaggttgt	ggaactagaa	aatcaagctg	cactgaccaa	cctgaagcag	480
aagtacctga	ctgtgatttc	aaaccccagg	tggttactgg	agcccatacc	taggaaagga	540
ggcaaggatg	tattccagggt	agacatccca	gagcacctga	tccctttggg	gcatgaagtg	600
tgacaagtgt	gggctcctga	aaggaatgtt	ccrgagaaac	cagctaaatc	atggcacctt	660
caatttgcca	tcgtgacgca	gacctgtata	aattagggtta	aagatgaatt	tccactgctt	720
tggagagtcc	cacccactaa	gcactgtgca	tgtaaacagg	ttcctttgct	cagatgaagg	780
aagtaggggg	tggggctttc	cttgtgtgat	gcctccttag	gcacacaggc	aatgtctcaa	840
gtactttgac	cttagggtag	aaggcaaagc	tgccagtaaa	tgtctcagca	ttgctgctaa	900
ttttggtcct	gctagtttct	ggattgtaca	aataaatgtg	ttgtagatga		950

<210> 163
 <211> 475
 <212> DNA
 <213> Homo sapien

<400> 163

<210> 164

<211> 476

<212> DNA

<213> Homo sapien

<400> 164

<210> 165

<211> 256

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (256)$

<223> n = A, T, C or G

<400> 165

<210> 166

<211> 332

<212> DNA

<213> Homo sapien

<400> 166

agcgtggtcg	cggccgaggt	caagaacccc	gccgcacct	gccgtgacct	caagatgtgc	60
cactctgact	ggaagagtgg	agagtactgg	attgacccca	accaaggctg	caacctggat	120
gccatcaaag	tcttctgcaa	catggagact	ggtgagacct	gcgtgtaccc	cactcagccc	180
agtgtggccc	agaagaactg	gtacatcagc	aagaacccca	aggacaagag	gcatgtctgg	240

ttcggcgaga gcatgaccga tggattccag ttcgagtatg gcggccaggg ctccgaccct 300
gccgatgtgg acctgcccgg gcggccgctc ga 332

<210> 167
<211> 332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 167
tcgagcggtc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg 60
aactggaatc catcggnat gctctcgccg aaccagacat gcctcttgnc cttgggggttc 120
ttgctgatgt accagntctt ctggggccaca ctgggctgag tgggggtacac gcagggtctca 180
ccantctcca tgttgcanaa gactttgatg gcatccagggt tgcagccttg gttgggggtca 240
atccagtact ctccactctt ccagacagag tggcacatct tgaggtcacg gcagggtgcgg 300
gcgggggttct tgacctcggt cgcgaccacg ct 332

<210> 168
<211> 276
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 168
tcgagcggcc gcccgggcag gtcctcctca gagcggtagc tggtcttatt gccccggcag 60
cctccataga tnaagttatt gcangagttc ctctccacgt caaagtacca gcgtgggaag 120
gatgcacggc aaggcccagt gactgcgttg gcgggtgcagt attcttcata gttgaacata 180
tcgctggagt ggacttcaga atcctgcctt ctgggagcac ttgggacaga ggaatccgct 240
gcattcctgc tgggtggacct cggccgcgac cacgct 276

<210> 169
<211> 276
<212> DNA
<213> Homo sapien

<400> 169
agcgtggtcg cggccgaggt ccaccagcag gaatgcagcg gattcctctg tcccaagtgc 60
tcccagaagg caggattctg aagaccactc cagcgatatg ttcaactatg aagaatactg 120
caccgccaac gcagtcactg ggccttgccg tgcacccctc ccacgctggt actttgacgt 180
ggagaggaac tcctgcaata acttcactta tggaggctgc cggggcaata agaacagcta 240
ccgctctgag gaggacctgc ccgggcggcc gctcga 276

<210> 170
<211> 332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

gagcgtggtcg cggccgaggt ccaccagcag gaatgcagcg gattcctctg tcccaagtgc
tcccagaagg caggattctg aagaccactc cagcgatatg ttcaactatg aagaatactg
caccgccaac gcagtcactg ggccttgccg tgcacccctc ccacgctggt actttgacgt
ggagaggaac tcctgcaata acttcactta tggaggctgc cggggcaata agaacagcta
ccgctctgag gaggacctgc ccgggcggcc gctcga

<222> (1)...(332)
 <223> n = A,T,C or G

<400> 170
 tcgagcggcc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg 60
 aactggaatc catcgggtcat gctctcgccg aaccagacat gcctcttgtc cttgggggttc 120
 ttgctgatgt accagtttctt ctggggccaca ctgggctgag tgggggtacac gcaggtctca 180
 ccagtctcca tgttgagaaa gactttgatg gcatccaggt tgcagccttg gttgggggtca 240
 atccagtact ctccactctt ccagccagaa tggcacatct tgaggtcacg gcangtgccg 300
 gcgggggttct tgacctcgcc cgcgaccacg ct 332

<210> 171
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 171
 agcgtggtcg cggccgaggt caagaaaccc cgcccgccacc tgccgtgacc tcaagatgtg 60
 ccactctggc tggaagagtg gagagtactg gattgacccc aaccaaggct gcaacctgga 120
 tgccatcaaa gtcttctgca acatggagac tgggtgagacc tgcgtgtacc ccactcagcc 180
 cagtgtggcc cagaagaact ggtacatcag caagaacccc aaggacaaga ggcattgtctg 240
 gctcggcgag agcatgaccg atggattcca gtctgagtat ggcggccagg gctccgaccc 300
 tgccgatgtg gacctgcccg ggcggccgct cga 333

<210> 172
 <211> 527
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 172
 agcgtggtcg cggccgaggt cctgtcagag tggcactggt agaagntcca ggaaccctga 60
 actgtaaggg ttcttcatca gtgccaaacag gatgacatga aatgatgtac tcagaagtgt 120
 cctgnaatgg ggcccatgan atggttgntc gagagagagc ttcttgtcct acattcggcg 180
 ggtatggtct tggcctatgc cttatggggg tggccgttgn gggcgggtgng gtccgcctaa 240
 aaccatgttc ctcaaagatc atttggtgcc caacactggg ttgctgacca naagtgccag 300
 gaagctgaat accatttcca gtgtcatacc caggggtgggt gacgaaaggg gtcttttgaa 360
 ctgtggaagg aacatccaag atctctgntc catgaagatt ggggtgtgga agggttacca 420
 gttggggaag ctgctgtctt ttttccttcc aatcangggc tcgctcttct gaatattctt 480
 cagggaatg acataaattg tatattcggg tcccggttcc aggccag 527

<210> 173
 <211> 635
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 173
 tcgagcggcc gcccgggcag gtccaccaca cccaattcct tgctggtatc atggcagccg 60

```
<210> 174
<211> 572
<212> DNA
<213> Homo sapien
```

<400>	174						
gggtcg	cgggcgaggt	cctgtcagag	tggcactggg	agaagttcca	ggaaccctga		60
aaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt		120
aatgg	ggcccatgag	atggttgtct	gagagagagc	ttcttgtcct	acattcggcg		180
gggtct	tggcctatgc	cttatggggg	tggccgttgt	gggcggtgtg	gtccgcctaa		240
tgttc	ctcaaagatc	at ttgttgcc	caacactggg	ttgctgacca	gaagtgccag		300
tgaat	accatttcca	gtgtcatacc	cagggtgggt	gacgaaagg	gtcttttgaa		360
gaagg	aacatccaag	atctctggtc	catgaagatt	ggggtgtgga	agggttacca		420
ggaag	ctcgtctgtc	tttttccttc	caatcanggg	ctcgtctctc	tgattattct		480
gcaat	gacataaatt	gtatatctcg	ntcccgggtg	cagccaataa	taataaccct		540
acacc	anggcggggc	cgaagganca	ct				572

```
<210> 175
<211> 372
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(372)  
<223> n = A,T,C or G
```

```
<210> 176
<211> 372
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 176

tcgagcggcc	gcccgggcag	gtccattttc	tccctgacgg	tcccacttct	ctccaatctt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagtttaaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcacccg	taggttggtt	240
caagccttcg	ntgacagagt	tgcccacggg	aacaacctct	tcccgaacct	tatgcctctg	300
ctggtctttc	agtgcctcca	ctatgatggt	gtaggtggta	cctctggtga	ggacctcggc	360
cgcgaccacg	ct					372

<210> 177
 <211> 269
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 177

agcgtggcgc	cggccgaggt	ccattggctg	gaacggcatc	aacttggaag	ccagtgatcg	60
tctcagcett	ggttctccag	ctaattggta	tgngngtctc	agtagcatct	gtcacacgag	120
cccttcttgg	tgggctgaca	ttctccagag	tggtgacaac	accctgagct	ggtctgcttg	180
tcaaagtgtc	cttaagagca	tagacactca	cttcatattt	ggcgnccacc	ataagtctcg	240
atacaaccac	ggaatgacct	gtcaggaac				269

<210> 178
 <211> 529
 <212> DNA
 <213> Homo sapien

<400> 178

tcgagcggcc	gcccgggcag	gtcctcagac	cgggttctga	gtacacagtc	agtgtggttg	60
ccttgacaga	tgatatggag	agccagcccc	tgattggaac	ccagtccaca	gctattcctg	120
caccaactga	cctgaagtgc	actcaggtca	caccacacaag	cctgagcgcc	cagtggacac	180
cacccaatgt	tcagctcact	ggatatcgag	tgcggggtgac	ccccaaggag	aagaccggac	240
caatgaaaga	aatcaacctt	gtcctcgaca	gctcatccgt	ggttgtatca	ggacttatgg	300
cggccaccaa	atatgaagtg	agtgtctatg	ctcttaagga	cactttgaca	agcagaccag	360
ctcaggggtg	tgtcaccact	ctggagaatg	tcagcccacc	aagaagggtc	cgtgtgacag	420
atgctactga	gaccaccatc	accattagct	ggagaaccaa	gactgagacg	atcactggct	480
tccaagttga	tgccgttcca	gccaatggac	ctcggccgcg	accacgctt		529

<210> 179
 <211> 454
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

gagcggccgcccgggcaggtccattttctccctgacggtcccacttctctccaatctt
 gtagttcaccattgtcatggcaccatctagatgaatcatctgaaatgaccacttcc
 aaagcctaagcactggcacaacagtttaaa gcctgattcagacattcggtcccactcatc
 tccaacggcataatgggaaactgtgtaggggtcaaagcaggatcatccgtaggtttggtt
 caagccttcgntgacagagttgcccacgggaacaacctctcccgaaccttatgcctctg
 ctggtctttcagtgcctccactatgatggtgtaggtggta cctctggtgaggacctcggc
 cgcgaccacgct
 agcgtggcgcgcccggaggtccattggctggaacggcatcaacttggaagccagtgatcg
 tctcagcettggttctccagctaattggtaggnggtctcagtagcatctgtcacacgag
 cccttcttgggtggctgacattctccagagtgtgacaacaccctgagctggtctgcttg
 tcaaagtgtccttaagagcagtagacactcattcatatttggcgnccaccataagtctcg
 atacaaccacggaatgacctgtcaggaac
 agcgggttctgagtacacagtcagtgtggttg
 ccttgacagatgataggagagccagcccctgattggaacccagtccacagctattcctg
 caccaactgacctgaagtctactcaggtcacaccacacagcctgagcgccagtggaacac
 cacccaatgttcagctcactggatatcgagtgcgggtgacccccaaggagaagaccggac
 caatgaaagaatcaaccttgctcctgacagctcatccgtggttgtatcaggacttatgg
 cggccaccaaatatgaagtgtgtgtctatgctcttaaggacactttgacagcagaccag
 ctcaggggtgtgtcaccactctggagaatgtcagcccaccagaagggtcgtgtgacag
 atgctactgagaccaccatcaccattagctggagaaccaa gactgagacgatcactggct
 tccaagttgattgccgttccagccaatggacctcgggccgcgaccacgctt

<400> 179

agcgtggtcg	cggccgaggt	ctggccgaac	tgccagtgtg	caggggaagat	gtacatgtta	60
tagntcttct	cgaagtcctg	ggccagcagc	tccacggggg	ggctctcctg	ctccaggcgc	120
ttctcattct	catggatctt	cttcaccctg	agcttctgct	tctcagtcag	aagggtgttg	180
tcctcatccc	tctcatacag	ggtgaccagg	acgttcttga	gccagtcccg	catgcgcagg	240
gggaattcgg	tcagctcaga	gtccaggcaa	gggggggatg	atttgcaagg	cccgatgtag	300
tccaagtggg	gcttgtggcc	cttcttggtg	ccctccaagg	tgcactttgt	ggcaaagaag	360
tggcaggaag	agtcgaaggt	cttggtgtca	ttgctgcaca	ccttctcaaa	ctcgccaatg	420
ggggctgggc	agacctgccc	gggcggccgc	tcga			454

<210> 180

<211> 454

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 180

tcgagcggcc	gcccgggcag	gtctgcccag	ccccatttgg	cgagtttgag	aaggngtgca	60
gcaatgacaa	caagaccttc	gactcttcct	gccacttctt	tgccacaaag	tgcaaccttg	120
agggcaccaa	gaagggccac	aagctccacc	tggactacat	cgggccttgc	aaatacatcc	180
ccccttgcc	ggactctgag	ctgaccgaat	tccccctg	catgcgggac	tggtcaaga	240
acgtcctggt	cacctgtat	gagagggatg	aggacaacaa	ccttctgact	gagaagcana	300
agctgcgggt	gaagaanatc	catgagaatg	anaagcgctt	gnaggcanga	gaccaccccg	360
tggagctgct	ggcccgggac	ttcgagaaga	actataacat	gtacatcttc	cctgtacact	420
ggcagttcgg	ccagacctcg	gccgcgacca	cgct			454

<210> 181

<211> 102

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(102)

<223> n = A,T,C or G

<400> 181

agcgtggntg	cggacgacgc	ccacaaagcc	attgtatgta	gttttanttc	agctgcaaan	60
aataccncca	gcatccacct	tactaaccag	catatgcaga	ca		102

<210> 182

<211> 337

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(337)

<223> n = A,T,C or G

<400> 182

tcgagcgggtc	gcccgggcag	gtctggggcg	atagcacccg	gcatattttg	gaatggatga	60
ggctctggcac	cctgagcagc	ccagcgagga	cttgggtctta	gttgagcaat	ttggctagga	120

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ggatagtatg cagcacgggt ctgagtctgt gggatagctg ccatgaagna acctgaagga 180
ggcgctggct ggtanggggt gattacaggg ctgggaacag ctcgtaact tgccattctc 240
tgcatatact ggntagtgag gcgagcctgg cgctcttctt tgcgctgagc taaagctaca 300
tacaatggct ttgnggacct cggccgcgac cacgctt 337

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<210> 183
<211> 374
<212> DNA
<213> Homo sapien

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<400> 183
tcgagcggcc gcccgggcag gtccattttc tccctgacgg tcccacttct ctccaatctt 60
gtagttcaca ccattgtcat gacaccatct agatgaatca catctgaaat gaccacttcc 120
aaagcctaag cactggcaca acagttttaa gcctgattca gacattcggt cccactcatc 180
tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcatccg taggttggtt 240
caagccttcg ttgacagaag ttgccacagg taacaacctc ttcccgaaac ttatgcctct 300
gctggtcttt caagtgcctc cactatgatg ttgtagggtg cacctctggt gaggacctcg 360
gccgcgacca cgct 374

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<210> 184
<211> 375
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

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<400> 184
agcgtggttt gcggccgagg tcttcaccan aggtgccacc tacaacatca tagtgagggc 60
actgaaagac cagcagaggc ataagggttc ggaagagggt gttaccgtgg gcaactctgt 120
caacgaaggc ttgaaccaac ctacggatga ctcgctgttt gacccctaca cagnttccca 180
ttatgccgtt ggagatgagt gggaacgaat gtctgaatca ggctttaaac tgttggtgcca 240
gtgcttancg tttggaagtg gtcatttcag atgtgattca tctanatggt gtcattgacaa 300
tggtgngaac tacaagattg gagagaagtg gnaccgtcag ggganaaaat ggacctgccc 360
ggcggcgcncg ctgca 375

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<210> 185
<211> 148
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(148)
<223> n = A,T,C or G

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<400> 185
agcgtggtcg cggccgaggt ctggcttnct gctcangtga ttatcctgaa ccatccaggc 60
caaataagcg cggctatgc cctgnattg gattgccaca cggctcacat tgcattgcaag 120
tttgctgagc tgaaggaaaa gattgatc 148

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<210> 186
<211> 397
<212> DNA
<213> Homo sapien

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<220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 186
 tcgagcggcc gcccgggcag gtccaattga aacaaacagt tctgagaccg ttcttccacc 60
 actgattaag agtggggngg cgggtattag ggataatatt catttagcct tctgagcttt 120
 ctgggcagac ttggtgacct tgccagctcc agcagccttc tgggtccactg ctttgatgac 180
 acccaccgca actgtctgtc tcatatcacg aacagcaaag cgacccaaag gtggatagtc 240
 tgagaagctc tcaacacaca tgggcttgcc aggaaccata tcaacaatgg gcagcatcac 300
 cagacttcaa gaatttaagg gccatcttcc agctttttac cagaacggcg atcaatcttt 360
 tccttcagct cagcaaactt gcatgcaatg tgagccg 397

<210> 187
 <211> 584
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 187
 tcgagcggcc gcccgggcag gtccagaggg ctgtgctgaa gtttgctgct gccactggag 60
 ccaactccaat tgctggccgc ttcaactcctg gaaccttcac taaccagatc caggcagcct 120
 tccgggagcc acggcttctt gtggntactg accccagggc tgaccaccag cctctcacgg 180
 aggcatctta tgttaacctt cctaccattg cgctgtgtaa cacagattct cctctgcgct 240
 atgtggacat tgccatccca tgcaacaaca agggagctca ctccagngggg tttgatgtgg 300
 tggatgctgg ctcggaagt tctgcgcgat cgtggcacca tttcccgtga acacccatgg 360
 gangncatgc ctgatctgga cttctacaga gatcctgaag agattgaaaa agaagaacag 420
 gctgnttgct ganaaagcaa gtgaccaagg angaaatttc angggtgaaa nggactgctc 480
 ccgctcctga attcactget actcaacctg angntgcaga ctgggtcttg aggnagnacan 540
 gggccctctg ggcctattta agcancttcg gtcgcgaaca cgnt 584

<210> 188
 <211> 579
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 188
 agcgtgngtc gcggccgagg tgctgaatag gcacagaggg cacctgtaca ccttcagacc 60
 agtctgcaac ctcaggctga gtagcagtga actcaggagc gggagcagtc cattcaccct 120
 gaaattcctc cttggncaact gccttctcag cagcagcctg ctcttctttt tcaatctctt 180
 caggatctct gtagaagtac agatcaggca tgacctcca tgggtgttca cgggaaatgg 240
 tgccacgcat gcgcagaact tcccagacca gcatccacca catcaaacc actgagttag 300
 ctcccttggt gttgcatggg atgggcaatg tccacatagc gcagaggaga atctgtgtta 360
 cacagcgcaa tggtaggtag gttaacataa gatgcctccg cgagaagctg gtggtcagcc 420
 ctgggggtcaa gtaaccacaa gaagccgtgg ctcccgggaag gctgcctgga tctggttagt 480
 gaaggntcca ggagtgaagc ggccaacaat tggagtggct tcagtggcaa gcagcaaact 540

gagcgcggcc gcccgggcag gtccaattga aacaaacagt tctgagaccg ttcttccacc 60
 actgattaag agtggggngg cgggtattag ggataatatt catttagcct tctgagcttt 120
 ctgggcagac ttggtgacct tgccagctcc agcagccttc tgggtccactg ctttgatgac 180
 acccaccgca actgtctgtc tcatatcacg aacagcaaag cgacccaaag gtggatagtc 240
 tgagaagctc tcaacacaca tgggcttgcc aggaaccata tcaacaatgg gcagcatcac 300
 cagacttcaa gaatttaagg gccatcttcc agctttttac cagaacggcg atcaatcttt 360
 tccttcagct cagcaaactt gcatgcaatg tgagccg 397

tcagcacaag ccctctggac ctgcccggcg gccgctcga

579

<210> 189
 <211> 374
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 189
 tcgagcggcc gcccgggcag gtccattttc tccctgacgg ncccacttct ctccaatctt 60
 gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120
 aaagcctaag cactggcaca acagttttaa gcctgattca gacattcggt cccactcatc 180
 tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcacccg taggttggtt 240
 caagccttcg ttgacagagt tgcccacggg aacaacctcn tccccgaacc ttatgcctct 300
 gctgggcttt cagngcctcc actatgatgn tgtagggggg cacctctggn gangacctcg 360
 gccgcgacca cgct 374

<210> 190
 <211> 373
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 190
 agcgtggtcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca 60
 ctgaaagacc agcagaggca taaggctcgg gaagagggtt ttaccgtggg caactctgtc 120
 aacgaaggct tgaaccaacc tacggatgac tctgtctttg acccctacac agtttcccat 180
 tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag 240
 tgcttangct ttggaagtgg gtcatttcag atgtgattca tctagatggt gccatgacaa 300
 tggngngaac tacaagattg gagagaagtg gnaccgncag ggagaaaatg gacctgcccg 360
 ggcggccgct cga 373

<210> 191
 <211> 354
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(354)
 <223> n = A,T,C or G

<400> 191
 agcgtggtcg cggccgaggt ccacatcggc agggctcggag ccctggccgc catactcgaa 60
 ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgctct tgggggttctt 120
 gctgatgtac cagttcttct gggccacact gggctgagtg gggtagacgc aggtctcacc 180
 agtctccatg ttgcagaaga ctttgatggc atccaggntg caaccttggt tgggggtcaat 240
 ccagtactct ccactcttcc agccagagtg gcacatcttg aggtcacggc aggtgcggnc 300
 gggggntttt gcggctgccc tctggncttc ggntgtntct natctgctgg ctca 354

<210> 192
 <211> 587
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 192
 tcgagcggcc gcccgggcag gtctcgcggt cgcactggtg atgctgggtcc tgttggtccc 60
 cccggccctc ctggacctcc tggccccctt ggtcctccca gcgctgggtt cgacttcagc 120
 ttcctgcccc agccacctca agagaaggct cacgatggtg gccgctacta ccgggctgat 180
 gatgccaatg tggttcgtga ccgtgacctc gaggtggaca ccacctcaa gagcctgagc 240
 cagcagatcg agaacatccg gagcccagag ggcagncgca agaaccctgc ccgcacctgc 300
 cgtgacctca agatgtgcca ctctgactgg aagagtggag agtactggat tgaccccaac 360
 caagctgcaa cctggatgcc atcaaagtct tctgcaacat ggagactggg gagacctgcg 420
 tgtacccac tcagcccagt gtggcccaaa agaactggta catcagcaag aacccaagg 480
 acaagaagca tgtctggttc ggcgagaaca tgaccgatgg attccagttc gagtatggcg 540
 ggcagggtc cgacctgcc gatggggacc ttggccgcga acacgct 587

<210> 193
 <211> 98
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

<400> 193
 agcgtggng cggccgaggt ataaatatcc agnccatate ctccctccac acgctganag 60
 atgaagctgt ncaagatct cagggtggan aaaacat 98

<210> 194
 <211> 240
 <212> DNA
 <213> Homo sapien

<400> 194
 tcgagcggcc gcccgggcag gtccttcaga cttggactgt gtcacactgc caggcttcca 60
 gggctccaac ttgcagacgg cctgttgtgg gacagtctct gtaatcgca aagcaaccat 120
 ggaagacctg ggggaaaaca ccatgggttt atccaccctg agatctttga acaacttcat 180
 ctctcagcgt gcggaggagg gctctggact ggatatttct acctcggccg cgaccacgct 240

<210> 195
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 195

cgagcggg	cg	accgggcagg	tn	cagactcc	aatccanana	accatcaagc	cagatgtcag	60
aagctacacc	at	cacagggt	taca	accagg	ca	ctgactac	aaganctacc	120
gaatgacaat	g	ctcggagct	ccc	ctgtgt	catcgacgcc	tccactgcc	ttgatgcacc	180
atccaacctg	c	gtttcctg	cc	accacacc	caattccttg	ctgggtatcat	ggcagccgcc	240
acgtgccagg	att	accggta	cat	catcnag	tatganaagc	ctgggcctcc	tcccagagaa	300
gnggtccctc	gg	ccccgcc	tg	ntgtccca	naggntacta	ttactgngcc	ngcaaccggc	360
aaccgatatc	n	at	tt	ggccttca	acaataatta			400

<210> 196

<211> 494

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(494)

<223> n = A,T,C or G

<400> 196

agcgtggttc	g	cg	gccgang	tc	ctgtcaga	gt	ggcactgg	tagaagttcc	aggaaccctg	60
aactgtaagg	gt	tcttc	catc	ag	ngccaaca	gg	atgacatg	aaatgatgta	ctcagaagtg	120
tcctggaatg	g	gg	cccatga	ga	tgggttg	tg	agagagag	cttcttg	gncc	180
cttccaatca	g	gg	gctcgct	ct	tctgatta	tt	cttcagg	caatgacata	aattgtatat	240
tgggtcccg	g	nt	ccaggcc	ag	taatatagta	nc	ctctgtga	caccagggcg	gngccgaggg	300
accacttctc	t	gg	gaggaga	cc	caggcttc	tc	atacttga	tgatgtaacc	ggtaatcctg	360
gcacgtggcg	g	ct	gcatga	t	accagcaag	ga	attgggg	gtgggtggcca	ggaaacgcag	420
gttggatggn	g	cat	caatgg	c	agtgaggc	cg	tcgatgac	cacaggggga	gctccgacat	480
tggtcattcaa	g	gt	g							494

<210> 197

<211> 118

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(118)

<223> n = A,T,C or G

<400> 197

agcgtggn	cg	gccgaggt	gc	agcgcggg	ctgtgccacc	ttctgctctc	tgcccaacga	60
taaggagggt	nc	ctgcccc	ag	gagaacat	taactntccc	cagctcggcc	tctgccgg	118

<210> 198

<211> 403

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 198

tcgagcggcc	g	cccgggcag	gt	ttttttttg	ctgaaagtgg	ntactttatt	ggntgggaaa	60
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<210> 199
<211> 167
<212> DNA
<213> Homo sapien
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<400> 199

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<210> 200
<211> 252
<212> DNA
<213> Homo sapien
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$\langle 400 \rangle$ 200

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<210> 201
<211> 91
<212> DNA
<213> Homo sapien
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<210> 202
<211> 368
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G
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<400> 202

tcgagcggnc	gcccgggcag	gtctgccaac	accaagattg	gccccgcgcg	catccacaca	60
gtccgtgtgc	ggggaggtaa	caagaaatac	cgtgccctga	ggttggacgt	ggggaatttc	120
tcctggggct	cagagtgttg	tactcgtaaa	acaaggatca	tcgatgttgt	ctacaatgca	180
tctaataacg	agctggttcg	taccaagacc	ctgggtgaaga	attgcatcgt	gctcatcgac	240
agcacaccgt	accgacagtg	gtacgagtcc	cactatgcgc	tgcccctggg	ccgcaagaag	300
ggagccaagc	tgactcctga	ggaagaagag	attttaaaca	aaaaacgac	taanaaaaaa	360
aaaacaat						368

<210> 203

<211> 340

<212> DNA

<213> Homo sapien

<400> 203

agcgtggtcg	cggccgaggt	gaaatgggtat	tcagcttcct	ggcacttctg	gtcagcaacc	60
cagtgttggg	caacaaatga	tctttgagga	acatgggttt	aggcggacca	caccgcccac	120
aacggccacc	cccataaggc	ataggccaag	accatacccg	ccgaatgtag	gacaagaagc	180
tctctctcag	acaaccatct	catgggcccc	attccaggac	acttctgagt	acatcatttc	240
atgtcatcct	gttggcactg	atgaagaacc	cttacagttc	agggttcctg	gaacttctac	300
cagtgccact	ctgacaggac	ctgcccgggc	ggccgctcga			340

<210> 204

<211> 341

<212> DNA

<213> Homo sapien

<400> 204

tcgagcggcc	gcccgggcag	gtcctgtcag	agtggcactg	gtagaagttc	caggaaccct	60
gaactgtaag	ggttcttcat	cagtgccaac	aggatgacat	gaaatgatgt	actcagaagt	120
gtcctggaat	ggggcccatg	agatggttgt	ctgagagaga	gcttcttgtc	ctacattcgg	180
cgggtatggg	cttggcctat	gccttatggg	ggtggccggt	gtgggcgggtg	tggtccgcct	240
aaaaccatgt	tcctcaaaga	tcatttggtg	cccaacactg	ggttgctgac	cagaagtgcc	300
aggaagctga	ataccatttc	acctcggccg	cgaccacgct	a		341

<210> 205

<211> 770

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 205

tcgagcggcc	gcccgggcag	gtctcccttc	ttgcggccca	ggggcagcgc	atagtgggac	60
tcgtaccact	gtcgggtacg	tgtgctgtcg	atgagcacga	tgcaattctt	caccagggtc	120
ttggtacgaa	ccagctcggt	attagatgca	ttgtagacaa	catcgatgat	ccttggttta	180
cgagtacaac	actctgagcc	ccaggagaaa	ttccccacgt	ccaacctcag	ggcacgggat	240
ttcttgttac	ctccccgcac	acggactgtg	tggatgcggc	gggggccaaag	ctgactcctg	300
aggaagaaga	gatttttaac	aaaaaacgat	ctaaaaaat	tcagaagaaa	tatgatgaaa	360
ggaaaaagaa	tgccaaaatc	agcagtctcc	tggaggagca	gttccagcag	ggcaagcttc	420
ttgcgtgcat	cgcttcaagg	ccgggacagt	gtgaccgagc	agatgggtat	gtgctagagg	480
gcaaagaagt	ggagttctat	cttaagaaaa	tcagggccca	gaatgggtng	tcttcaacta	540
atccaaaggg	gagtttcaga	ccagtgcaat	cagcaaaaa	attgatactg	ntggccaaat	600

```
<210> 206
<211> 810
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(810)  
<223> n = A,T,C or G
```

```
<210> 207
<211> 257
<212> DNA
<213> Homo sapien
```

```
<210> 208
<211> 257
<212> DNA
<213> Homo sapien
```

<210>	209
<211>	747
<212>	DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 209

tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctggtatc	atggcagccg	60
ccacgtgcc	ggattaccgg	ctacatcatc	aagtatgaga	agcctgggtc	tcctcccaga	120
gaagtgggtcc	ctcgggccccg	ccctgggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgctattgcc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttcaca	ccccaatctt	300
catggaccag	agatcttgga	tggttccttc	acagttcaaa	agaccccttt	cgtcaccac	360
cctgggtatg	acactggaaa	tggtattcag	cttcctggca	cttctggtca	gcaaccag	420
gttgggcaac	aaatgatctt	tgaggaaacat	ggntttaggc	ggaccacacc	gcccacaacg	480
gccaccccc	taaggcatag	gccaaagacca	taccgcgcca	atgtaggaca	agaagctntn	540
tntcanacac	catntnatgg	gccccattcc	aggacacttc	tgagtacatc	atttatgnca	600
tctgtggcac	ttgatgaaaa	cccttacagt	tcagggttct	ggaactttta	ccaggcctnt	660
tacaggactn	ggccggacnc	cttaagccna	ttncaccctg	gggcgttcta	nggtcccact	720
cgnnactg	ngaaaatggc	tactgtn				747

<210> 210

<211> 872

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(872)

<223> n = A,T,C or G

<400> 210

agcgtggtcg	cggcgagagt	ccactagagg	tctgtgtgcc	attgcccagg	cagagtctct	60
gcgttacaaa	ctcctaggag	ggcttgctgt	gcggagggcc	tgctatggtg	tgctgcggtt	120
catcatggag	agtggggcca	aaggctgcga	ggttggtgtg	tctgngaaac	tccnaggaca	180
ngagggctaa	attccatgaa	gtttgtggat	ggcctgatga	tccacaatcg	gagaccctgt	240
taactactac	cgtctnaccn	cctgctgtnc	nccccnttt	ctgctnaana	catngggntn	300
ntncttgncc	ntccttgggt	ngaanatna	atngcctncc	cnttctanc	nctactngnt	360
ccananttg	ccttttaaana	atccnccctg	ccttnnnac	tgttcanntn	tttnntcgta	420
aaccctatna	nttnnattan	atnntnnnnn	nctcaccccc	ctctcattn	ancnatang	480
ctnnnaantc	cttnanncct	ccnccccnt	ncnctctac	tnantncttc	tnnccccatta	540
cnnagctctt	tcntttaana	taatgnngcc	nngetctnca	tntctacnat	ntgnnnaatn	600
ccccncccc	cnancgnntt	tttgacctnn	naacctcctt	tcctcttccc	tncnnaaatt	660
ncnnanttcc	ncnttccnnc	ntttcggnntn	ntcccatnct	ttccannnct	tcantctanc	720
ncnctncaac	ttattttccct	ntcatccctt	nttctttaca	nccccctnn	tctactcnn	780
nnttncatta	natttgaaac	tnccacnct	antnccctcn	ctctacnntt	ttattttncg	840
ntcncctctac	ntaatanttt	aatnanttnt	cn			872

<210> 211

<211> 517

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 211

tcgagcggcc	gcccgggag	gtctgccaag	gagaccctgt	tatgctgtgg	ggactggctg	60
gggcatggca	ggcggtctctg	gcttcccacc	cttctgttct	gagatggggg	tgggtgggag	120
tatctcatct	ttgggttcca	caatgctcac	gtggtcaggc	aggggttct	tagggccaat	180
cttaccagtt	gggtcccagg	gcagcatgat	cttcaccttg	atgcccagca	cacctgtct	240
gagcaacacg	tggcgacaaa	gcagtgtcaa	cgtagtaagt	taacagggtc	tccgtgtgg	300
atcatcaggc	catccacaaa	cttcatggat	ttagccctct	gtcctcggag	tttcccagac	360
accacaacct	cgcagccttt	ggccccactc	tccatgatga	accgcagcac	accatagcag	420
gccctccgca	caagcaagcc	ctcctaagaa	tttgtaacgc	ananactctg	ctggcaatgg	480
cacacaaacc	tctagtggac	ctcggnccgcg	accacgc			517

<210> 212

<211> 695

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 212

tcgagcggcc	gcccgggag	gtctgggtcca	ggatagcctg	cgagtcctcc	tactgctact	60
ccagacttga	catcatatga	atcatactgg	ggagaatagt	tctgaggacc	agtagggcat	120
gattcacaga	ttccaggggg	gccaggagaa	ccaggggacc	ctgggtgtcc	tgggaatacca	180
gggtcaccat	ttctcccagg	aataccagga	gggcctggat	ctcccttggg	gccttgaggt	240
ccttgaccat	taggagggcg	agtaggagca	gttgagggt	gtgggcaaac	tgcacaacat	300
tctccaaatg	gaatttctgg	gttggggcag	tctaattctt	gatccgtcac	atattatgtc	360
atcgagagga	acggatcctg	agtcacagac	acatatttgg	catggttctg	gcttccagac	420
atctctatcc	gncataggac	tgaccaagat	gggaacatcc	tccttcaaca	agcttnctgt	480
tgtgcaaaaa	ataatagtgg	gatgaagcag	accgagaagt	anccagctcc	cctttttgca	540
caaagntca	tcatgtctaa	atatcagaca	tgagacttct	ttgggcaaaa	aaggagaaaa	600
agaaaaagca	gttcaaagta	nccnccatca	agttgggtcc	ttgccccttc	agcaccggg	660
ccccgttata	aaacacctng	ggccgggaccc	ccctt			695

<210> 213

<211> 804

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(804)

<223> n = A,T,C or G

<400> 213

agcgtggtcg	cgcccgaggt	gttttatgac	gggcccgtg	ctgaagggca	gggaacaact	60
tgatggtgct	actttgaact	gcttttcttt	tctccttttt	gcacaaagag	tctcatgtct	120
gatattttaga	catgatgagc	tttgtgcaaa	aggggagctg	gctacttctc	gctctgcttc	180
atcccactat	tatttttgga	caacaggaag	ctgttgagg	aggatgttcc	catcttggtc	240
agtcctatgc	ggatagagat	gtctggaagc	cagaacatg	ccaaatatgt	gtctgtgact	300
caggatccgt	tctctgcgat	gacataatat	gtgacgatca	agaattagac	tgccccaacc	360
cagaaattcc	atgttgagaa	tggtgtgcag	tttgcccaca	gcctccaact	gctcctactc	420
gccctcctaa	tgggtcaagga	cctcaaggcc	ccaagggaga	tccaggccct	cctgggtattc	480
ctgggagaaa	tgggtgaccct	ggtattccag	gacaaccagg	gtcccctggg	tctcctggcc	540

```

cccctggaat  cngngngaate  atgccctact  ggtcctcaaa  ctatttctccc  anatgattca  600
tatgatgtca  agtctgggat  agcnagtang  ganggactcg  caggctattc  tggaccanac  660
ctgccggggg  ggcgttcgaa  agcccgaate  tgcananntn  cnttcacact  ggcggccgtc  720
gagctgcttt  aaaagggcca  ttccnccttt  agngnggggg  antacaatta  ctnggcggcg  780
ttttanancg  cngngnctggg  aaat

```

```

<210> 214
<211> 594
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

```

```

<400> 214
agcgtgggtcg  cggccgaggt  ccacatcggc  agggtcggag  ccctggccgc  catactcgaa  60
ctggaatcca  tcgggtcatgc  tctcgccgaa  ccagacatgc  ctcttgctct  tgggggttctt  120
gctgatgtac  cagttcttct  gggccacact  gggctgagtg  ggggtacacgc  aggtctcacc  180
agtctccatg  ttgcagaaga  ctttgatggc  atccaggttg  cagccttggt  tgggggtcaat  240
ccagtactct  ccaactcttcc  agtcagagtg  gcacatcttg  aggtcacggc  aggtgcgggc  300
gggggttcttg  cggtgcctct  ctgggctccg  gatgttctcg  atctgctggc  tcaggctctt  360
gaggggtggg  tccacctcga  ggtcacggtc  acgaaccaca  ttggcatcat  cagcccggta  420
gtageggcca  ccacgtgag  ccttctcttg  angtggtg  ggcaggaact  gaagtcgaaa  480
ccagecgtgg  gaggaccagg  gggaccaana  ggtccaggaa  gggcccgggg  gggaccaaca  540
ggaccagcat  caccaagtgc  gaccgcgag  aacctgccc  gccgnccgct  cgaa  594

```

```

<210> 215
<211> 590
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

```

```

<400> 215
tcgagcgnn  gcccgggcag  gtctcgcggt  cgcactggtg  atgctgggtcc  tgttggtccc  60
cccggccctc  ctggacctcc  tgggtcccc  ggtcctccca  gcgctgggtt  cgacttcagc  120
ttcctgcccc  agccacctca  agagaaggct  cacgatgggt  gccgtacta  ccgggctgat  180
gatgccaatg  tggttcgtga  ccgtgacctc  gaggtggaca  ccacctcaa  gagcctgagc  240
cagcagatcg  agaacatccg  gagcccagag  ggcagccgca  agaaccccgc  ccgcacctgc  300
cgtgacctca  agatgtgcca  ctctgactgg  aagagtggag  agtactggat  tgaccccaac  360
caaggctgca  acctggatgc  catcaaagtc  ttctgcaaca  tggagactgg  tgagacctgc  420
gtgtacccca  ctcagcccag  tgtggcccag  aagaactgg  acatcagcaa  gaaccccaag  480
gacaagaggc  atgtctgggt  cggcgagagc  atgaccgatg  gattccagtt  cgagtatggc  540
ggccaggggt  cccacctgc  cgatgtggac  ctccggccgc  gaccacctt

```

```

<210> 216
<211> 801
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(801)

<223> n = A,T,C or G

<400> 216

tngagcggcc	gcccgggcag	gntgnnaacg	ctggtcctgc	tggctcctcct	ggcaaggctg	60
gtgaagatgg	tcaccctgga	aaacccggac	gacctgggtga	gagaggagtt	gttggaccac	120
agggtgctcg	tggtttccct	ggaactcctg	gacttcctgg	cttcaaaggc	attaggggac	180
acaatggtct	ggatggattg	aagggacagc	ccggtgctcc	tgggtgtgaag	ggtgaacctg	240
gtgcccctgg	tgaaaatgga	actccaggtc	aaacaggagc	ccgtgggctt	cctggtgaga	300
gaggaccgtg	ttgggtgcccc	tggcccanac	ctcggcccg	accacgctaa	gcccgaattt	360
ccagcacact	ggngggccgtt	actantggat	ccgagctcgg	taccaagctt	ggcgtaatca	420
tggtcatagc	tgtttcctgn	gtgaaattgt	tatccgctca	caatttcaca	cancatacga	480
agccggaaag	cataaagtgt	aaagccttgg	ggtgctaata	agtgaagctaa	ctcncattaa	540
attgcgttgc	gctcactgcc	cgcttttcca	nnngggaaac	cntggcntng	ccngcttgcn	600
ttaantgaaa	tccgcnacc	cccggggaaa	agncggtttg	cngtattggg	gcnccttttc	660
cctttcctcg	gnttacttga	nttantgggc	tttggnccgt	tccgggttng	gcganccnggt	720
tcaacntcac	nccaaaggng	gnaanacggt	tttcccanaa	tccgggggnt	ancccaangn	780
aaaacatnng	ncnaangggc	t				801

<210> 217

<211> 349

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1)...(349)

<223> n = A,T,C or G

<400> 217

agcgtgggttn	gcggccgagg	tctggggccag	gggcaccaac	acgtcctctc	tcaccaggaa	60
gcccacgggc	tcctgtttga	cctggagttc	cattttcacc	aggggcacca	ggttcaccct	120
tcacaccagg	agcaccgggc	tgtcccttca	atccatncag	accattgtgn	cccctaatac	180
ccttgaagcc	aggaagtcca	ggagttccag	ggaaaccacc	gagcaccctg	tgggtccaaca	240
actcctctct	caccaggctg	tccgggtttt	ccagggtgac	catcttcacc	agccttgcca	300
ggaggaccag	caggaccagc	gttaccaaac	tgcccggggc	gccgctcga		349

<210> 218

<211> 372

<212> DNA

<213> Homo sapien

<400> 218

tcgagcggcc	gcccgggcag	gtccattttc	tccctgacgg	tcccacttct	ctccaatctt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagttttaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcacccg	taggttggtt	240
caagccttcg	ttgacagagt	tgcccacggt	aacaacctct	tcccgaacct	tatgcctctg	300
ctggctcttc	agtgcctcca	ctatgatgtt	gtaggtggca	cctctgggtga	ggacctcggc	360
cgcgaccacg	ct					372

<210> 219

<211> 374

<212> DNA

<213> Homo sapien

<400> 219


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agcgtggtcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca      60
ctgaaagacc agcagaggca taagggttcg gaagagggtt ttaccgtggg caactctgtc    120
aacgaaggct tgaaccaacc tacggatgac tcgtgctttg acccctacac agtttcccat    180
tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag    240
tgcttaggct ttggaagtgg tcatttcaag atgtgattca tctagatggg gccatgacaa    300
tggtgtgaac tacaagattg gagagaagtg ggaccgtcag ggagaaaatg gacctgcccg    360
ggccggccgc tcga                                     374

```

```

<210> 220
<211> 828
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

```

```

<400> 220
tcgagcggnnc gcccgggcag gtccagtagt gccttcggga ctgggttcac cccaggtct      60
gcggcagttg tcacagcgcc agccccgctg gcctccaaag catgtgcagg agcaaattggc    120
accgagatat tccttctgcc actgttctcc tacgtggtat gtcttcccat catcgtaaca    180
cgttgcctca tgagggtcac acttgaattc tccttttccg ttccaagac atgtgcagct    240
catttggtcg gctctatagt ttggggaaaag tttgttgaaa ctgtgccact gacctttact    300
tcctccttct ctactggagc tttcgtacct tccacttctg ctgttggtaa aatgggtggat    360
cttctatcaa ttctattgac agtaccact tctcccaaac atccaggga atagtgattt    420
cagagcgatt aggagaacca aattatgggg cagaaataag gggcttttcc acaggttttc    480
ctttggagga agatttcagt ggtgacttta aaagaatact caacagtgtc ttcattcccca    540
tagcaaaaga agaaacngta aatgatggaa ngcttctgga gatgccnnca ttttaagggac    600
ncccagaact tcaccatcta caggacctac ttcagtttac annaagncac atantctgac    660
tcanaaagga cccaagtagc nccatggnc gacttttnag cctttcccct ggggaaaann    720
ttacnttctt aaancctngg ccnngacccc cttaagncca aattntggaa aanttcctn    780
cnnectggggg gengttnac atgcntttna agggcccaat tnccccnt                                     828

```

```

<210> 221
<211> 476
<212> DNA
<213> Homo sapien

```

```

<400> 221
tcgagcggcc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagttgt      60
tctccggctg ccatttgctc tccactcca cggcgatgtc gctgggatag aagcctttga    120
ccaggcaggt caggctgacc tggttcttgg tcatctctc ccgggatggg ggcagggtgt    180
acacctgtgg ttctcggggc tgcccttttg ctttgagat ggttttctcg atgggggctg    240
ggagggcttt gttggagacc ttgcacttgt actccttgcc attcagccag tcctggtgca    300
ggacgggtgag gacgctgacc acacggtaag tgctgttgta ctgctcctcc cgcggctttg    360
tcttggcatt atgcacctcc acgccgtcca cgtaccagtt gaacttgacc tcagggtctt    420
cgtgggtcac gtccaccacc acgcatgtaa cctcagacct cggccgcgac cacgct                                     476

```

```

<210> 222
<211> 477
<212> DNA
<213> Homo sapien

```

```

<400> 222
agcgtggtcg cggccgaggt ctgaggttac atgcgtgggt gtggacgtga gccacgaaga      60
ccctgaggtc aagttcaact ggtacgtgga cggcgtggag gtgcataatg ccaagacaaa    120

```

```

gccgcgggag gagcagtaca acagcacgta ccgtgtggtc agcgtcctca ccgtcctgca 180
ccaggactgg ctgaatggca aggagtacaa gtgcaaggtc tccaacaaag ccctcccagc 240
ccccatcgag aaaaccatct ccaaagccaa agggcaagcc ccgagaacca caggtgtaca 300
ccctgcccc atcccgggag gagatgacca agaaccaggt cagcctgacc tgcctgggtca 360
aaggettcta tcccagcgac atcgccgtgg agtgggagag caatgggcag ccggagaaca 420
actacaagac cagcctccc gtgctggact ccgacacctg cccgggcggc cgctcga 477

```

```

<210> 223
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 223
tcgagcggcc gcccgggcag gttgaatggc tcctcgctga ccaccccggt gctgggtggtg 60
ggtacagagc tccgatgggt gaaaccattg acatagagac tgtccctgtc caggggtgtag 120
gggcccagct cagtgatgcc gtgggtcagc tggctcagct tccagtacag ccgtctcttg 180
tccagtccag ggcttttggg gtcaggacga tgggtgcaga cagcatccac tctgggtggct 240
gccccatcct tctcaggcct gagcaaggtc agtctgcaac cagagtacag agagctgaca 300
ctgggtgttct tgaacaaggg cataagcaga ccctgaagga cacctcggcc gcgaccacgc 360
t 361

```

```

<210> 224
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 224
agcgtgggtcg cggccgaggt gtccttcagg gtctgcttat gcccttggtc aagaacacca 60
gtgtcagctc tctgtactct ggttgcagac tgaccttgct caggcctgag aaggatgggg 120
cagccaccag agtggatgct gtctgcaccc atcgctcctga ccccaaaagc cctggactgg 180
acagagagcg gctgtactgg aagctgagcc agctgaccca cggcatcact gagctgggccc 240
cctacaccct ggacaggggac agtctctatg tcaatggttt caccatcgg agctctgtac 300
ccaccaccag caccgggggtg gtcagcgagg agccattcaa cctgcccggg cggccgctcg 360
a 361

```

```

<210> 225
<211> 766
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

```

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<400> 225
agcgtgggtcg cggccgaggt cctgtcagag tggcactggt agaagttcca ggaaccctga 60
actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac tcagaagtgt 120
cctggaatgg ggcccatgag atgggtgtct gagagagagc ttcttgctct acattcggcg 180
ggtatggtct tggcctatgc cttatggggg tggccgttgt gggcgggtgtg gtccgcctaa 240
aaccatgttc ctcaaagatc atttgttgcc caacactggg ttgctgacca gaagtgccag 300
gaagctgaat accatttcca gtgtcatacc cagggtgggt gacgaaagg gtcttttgaa 360
ctgtggaagg aacatccaag atctctggtc catgaagatt ggggtgtgga agggttacca 420
gttggggaag ctgctctgtc tttttccttc caatcagggg ctgctcttc tgattattct 480
tcagggcaat gacataaatt gtatatctcg tcccggttcc aggcagtaa tagtagcctc 540
tgtgacacca gggcggggcc gagggaccct tctnttgaa gagaccagct tctcatactt 600
gatgatgagn ccggtaatcc tggcacgtgg nggttgcatg atnccaccaa ggaaatnggn 660

```

gggggnggac ctgcccggcg gccgttcnaa agcccaattc cacacacttg gngggccgtac 720
tatggatccc actcngtcca acttgngnga atatggcata actttt 766

<210> 226
<211> 364
<212> DNA
<213> Homo sapien

<400> 226
tcgagcggcc gcccgggcag gtccttgacc ttttcagcaa gtgggaaggt gtaatccgtc 60
tccacagaca aggccaggac tcgtttgtac ccgttgatga tagaatggg tactgatgca 120
acagttgggt agccaatctg cagacagaca ctggcaacat tgcggacacc ctccaggaag 180
cgagaatgca gagtttcctc tgtgatatca agcacttcag ggttgtagat gctgccattg 240
tcgaacacct gctggatgac cagcccaaag gagaaggggg agatgttgag catgttcagc 300
agcgtggctt cgctggctcc cactttgtct ccagtcttga tcagacctcg gccgcgacca 360
cgct 364

<210> 227
<211> 275
<212> DNA
<213> Homo sapien

<400> 227
agcgtgggtcg cggccgaggt ctgtcctaca gtcctcagga ctctactccc tcagcagcgt 60
ggtgaccgtg ccctccagca acttcggcac ccagacctac acctgcaacg tagatcacia 120
gccagcaac accaaggtgg acaagagagt tgagcccaa tcttgtgaca aaactcacac 180
atgccaccg tgcccagcac ctgaactcct ggggggaccg tcagtcttcc tcttcccccg 240
catccccctt ccaaacctgc ccgggcggcc gctcg 275

<210> 228
<211> 275
<212> DNA
<213> Homo sapien

<400> 228
cgagcggccg cccgggcagg tttggaaggg ggatgcgggg gaagaggaag actgacggtc 60
ccccaggag ttcagggtgt gggcacgggt ggcattgtgt agttttgtca caagatttgg 120
gctcaactct cttgtccacc ttggtgttgc tgggcttgtg atctacgttg caggtgtagg 180
tctgggtgcc gaagttgctg gagggcacgg tcaccacgct gctgaggagg tagagtcctg 240
aggactgtag gacagacctc ggccgcgacc acgct 275

<210> 229
<211> 40
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 229
nggnnggtcc ggnngncag gaccactent cttcgaaata 40

<210> 230
<211> 208
<212> DNA

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<213> Homo sapien

<400> 230

agcgtggtcg	cggccgaggt	cctcacttgc	ctcctgcaaa	gcaccgatag	ctgcgctctg	60
gaagcgcaga	tctgttttaa	agtcctgagc	aatttctcgc	accagacgct	ggaagggaag	120
tttgcaatc	agaagttcag	tggacttctg	ataacgtcta	atttcacgga	gcgccacagt	180
accaggacct	gcccgggcgg	ccgctcga				208

<210> 231

<211> 208

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 231

tcgagcggcc	gcccgggcag	gtcctggtac	tgnggcgctc	cgtgaaatta	gacgttatca	60
gaagtccact	gaacttctga	ttcgcaaaact	tcccttccag	cgtctggtgc	gagaaattgc	120
tcaggacttt	aaaacagatc	tgcgcttcca	gagcgcagct	atcgggtgctt	tgcaggaggc	180
aagtgaggac	ctcggcccg	accacgct				208

<210> 232

<211> 332

<212> DNA

<213> Homo sapien

<400> 232

tcgagcggcc	gcccgggcag	gtccacatcg	gcagggtcgg	agccctggcc	gccatactcg	60
aactggaatc	catcggtcat	gctctcgccg	aaccagacat	gcctcttctg	cttgggggttc	120
ttgctgatgt	accagttctt	ctggggccaca	ctgggctgag	tgggggtacac	gcagggtctca	180
ccagtctcca	tggtgcagaa	gactttgatg	gcattccagg	tgcagccttg	gttgggggtca	240
atccagtact	ctccactctt	ccagtcagag	tggcacatct	tgagggtcacg	gcagggtgcgg	300
gcgggggttct	tgacctcggc	cgcgaccacg	ct			332

<210> 233

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 233

gtgggnttga	accnttttna	notccgcttg	gtaccgagct	cggatccact	agtaacggcc	60
gccagtgtgc	tggaattcgg	cttagcgtgg	tcgcgggcga	ggtcaagaac	cccggccgca	120
cctgcggtga	cctcaagatg	tgccactctg	actggaagag	tggagagtac	tggattgacc	180
ccaaccaagg	ctgcaacctg	gatgccatca	aagtcttctg	caacatggag	actggtgaga	240
cctgcgtgta	ccccactcag	cccagtgtgg	cccagaagaa	ctggtacatc	agcaagaacc	300
ccaaggacaa	gaggcatgtc	tggttcggcg	agagcatgac	cgatggattc	cagttcgagt	360
atggcggcca	gggctccgac	cctgccgatg	tggacctgcc	cgggcggccg	ctcga	415

<210> 234

<211> 776
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 234

agcgtggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgaata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagt	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagttc	ccctgttact	ggttacagag	taaccaccac	tcccaaaaat	360
ggaccaggac	caacaaaaac	taaaactgca	ggtccagatc	aaacagaaat	gactattgaa	420
ggcttgacgc	ccacagtggg	gtatgtggtt	aagtgtctat	gctcagaatc	caagcggaga	480
gaagtcagcc	tctggttcag	actgnaagta	accaacattg	atcgcctaaa	ggactggcat	540
tcactgatgn	ggatgccgat	tccatcaaaa	ttgnttggga	aaacccacag	gggcaagttt	600
ncangtcnag	gnngacctac	tcgagccctg	aggatggaat	ccttgactnt	tccttnncc	660
gatggggaaa	aaaaaccttn	aaaacttgaa	ggacctgccc	ggcgggccgt	ncaaaacca	720
attccacccc	cttgggggcg	ttctatgggn	cccactcgga	ccaaacttgg	ggtaan	776

<210> 235
 <211> 805
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(805)
 <223> n = A,T,C or G

<400> 235

tcgagcggcc	gcccgggcag	gtccttgacg	ctctgcagt	tcttcttcac	catcaggtgc	60
agggaaatgc	tcattgattc	catcctcagg	gctcgagtag	gtcacctgt	acctggaaac	120
ttgcccctgt	gggctttccc	aagcaatttt	gatggaatcg	gcatccacat	cagtgaatgc	180
cagtccttta	gggcgatcaa	tgttggttac	tgcagtctga	accagaggct	gactctctcc	240
gcttggtatc	tgagcataga	cactaaccac	atactccact	gtgggctgca	agccttcaat	300
agtcatttct	gtttgatctg	gacctgcagt	tttagttttt	gttggctcctg	gtccattttt	360
gggagtgggt	gttactctgt	aaccagtaac	aggggaactt	gaaggcagcc	acttgacact	420
aatgctgttg	tcctgaacat	cggtcacttg	catctgggat	ggtttgtcaa	tttctgttcg	480
gtaattaatg	gaaattggct	tgctgcttgc	ggggcttgct	tccacggcca	gtgacagcat	540
acacagtgat	ggtataatca	actccagggt	taagccgctg	atggtagctg	aaactttgct	600
ccaggcacia	gtgaactcct	gacagggcta	tttctnctg	ttctccgtaa	gtgatcctgt	660
aatatctcac	tgggacagca	ggangcattc	caaaacttgc	ggcnggaccc	cctaagccga	720
attntgcaat	atncatcaca	ctggcgggcg	ctcgancatt	cattaaaagg	cccaatcncc	780
cctataggga	gtntantaca	attng				805

<210> 236
 <211> 262
 <212> DNA
 <213> Homo sapien

<400> 236

tcgagcggcc	gcccgggcag	gtcacttttg	gtttttgggtc	atgttcgggtt	gggtcaaagat	60
------------	------------	------------	-------------	-------------	-------------	----

aaaaactaag	tttgagagat	gaatgcaaag	gaaaaaaata	ttttccaaag	tccatgtgaa	120
attgtctccc	atTTTTTTTg	cttttgagg	ggttcagttt	gggttgcttg	tctgtttccg	180
ggttgggggg	aaagttggtt	gggtgggagg	gagccaggtt	gggatggagg	gagtttacag	240
gaagcagaca	gggccaacgt	cg				262

<210> 237
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 237						
agcgtggtcg	cggccgaggt	cctcaccaga	ggtgccacct	acaacatcat	agtggaggca	60
ctgaaagacc	agcagaggca	taagggttcg	gaagagggtg	ttaccgtggg	caactctgtc	120
aacgaaggct	tgaaccaacc	tacggatgac	tcgtgctttg	acccctacac	agtttcccat	180
tatgccgttg	gagatgagtg	ggaacgaatg	tctgaatcag	gctttaaact	gttgtgccag	240
tgcttaggct	ttggaagtgg	tcatttcaga	tgtgattcat	ctagatgggtg	ccatgacaat	300
ggtgtgaact	acaagattgg	agagaagtgg	gaccgtcagg	gagaaaatgg	acctgcccgg	360
gcggccgctc	ga					372

<210> 238
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 238						
tgcagcggcc	gcccgggag	gtccattttc	tccctgacgg	tcccacttct	ctccaatctt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagttttaa	gcctgattca	gacattcgtt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtagg	gtcaaagcac	gagtcatccg	taggttggtt	240
caagccttcg	ttgacagagt	tgcccacggt	aacaacctct	tccogaacct	tatgcctctg	300
ctggtctttc	agtgcctcca	ctatgatgtt	gtaggtggca	cctctggtga	ggacctcggc	360
cgcgaccacg	ct					372

<210> 239
 <211> 720
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(720)
 <223> n = A,T,C or G

<400> 239						
tgcagcggcc	gcccgggag	gtccaccata	agtcctgata	caaccacgga	tgagctgtca	60
ggagcaagg	tgattttctt	cattgggtccg	gtcttctcct	tgggggtcac	ccgcactcga	120
tatccagtga	gctgaacatt	gggtgggtgc	cactggggcg	tcaggcttgt	gggtgtgacc	180
tgagtgaact	tcagggtcagt	tggtgcagga	atagtggtta	ctgcagtctg	aaccagaggc	240
tgactctctc	cgcttggatt	ctgagcatag	acactaacca	catactccac	tgtgggctgc	300
aagccttcaa	tagtcaattc	tgtttgatct	ggacctgcag	ttttagtttt	tgttggctct	360
ggtccatttt	tgggagtggt	ggttactctg	taaccagtaa	caggggaact	tgaaggcagc	420
cacttgacac	taatgctgtt	gtcctgaaca	tcggtcactt	gcactctggga	tggtttgnca	480
atttctgttc	ggtaattaat	ggaaattggc	ttgctgcttg	cggggctgtc	tccacggcca	540
gtgacagcat	acacagngat	ggnatnatca	actccaagtt	taaggccctg	atggtaactt	600
taaacttgct	cccagccagn	gaacttccgg	acagggtatt	tcttctgggt	ttccgaaagn	660
gancctggaa	tnntctcctt	ggancagaag	gancntccaa	aacttgggcc	ggaacccctt	720

gagcgtggtcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca 60
 ctgaaagacc agcagaggca taagggttcg gaagagggtg ttaccgtggg caactctgtc 120
 aacgaaggct tgaaccaacc tacggatgac tcgtgctttg acccctacac agtttcccat 180
 tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag 240
 tgcttaggct ttggaagtgg tcatttcaga tgtgattcat ctagatgggtg ccatgacaat 300
 ggtgtgaact acaagattgg agagaagtgg gaccgtcagg gagaaaatgg acctgcccgg 360
 gcggccgctc ga 372

<210> 240
 <211> 691
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)..(691)
 <223> n = A,T,C or G

<400> 240

agcgtggtcg	cggccgaggt	cctgtcagag	tggcaactggt	agaagttcca	ggaaccctga	60
actgtaaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	120
cctggaatgg	ggcccatgag	atggttgtct	gagagagagc	ttcttgtcct	acattcggcg	180
ggtatggtct	tggcctatgc	cttatggggg	tggccgttgt	gggcggtgtg	gtccgcctaa	240
aaccatgttc	ctcaaagatc	atttgttgcc	caacactggg	ttgctgacca	gaagtgccag	300
gaagctgaat	accatttcca	gtgtcatacc	caggggtggg	gacgaaaggg	gtcttttgaa	360
ctgtggaagg	aacatccaag	atctctggtc	catgaagatt	ggggtgtgga	agggttacca	420
gttggggaag	ctcgtctgtc	tttttccttc	caatcagggg	ctcgtctctc	tgattattct	480
tcagggcaat	gacataaatt	gtatatcggt	ttcccgggtc	caggccagta	atagtagcct	540
cttgtgacac	caggcggggc	ccanggacca	cttctctggg	angagacca	gcttctcata	600
cttgatgatg	taaccgggta	atcctgcacg	tggcggctgn	catgatacca	ncaaggaatt	660
gggtgngngn	gacctgcccg	gcggccctcn	a			691

<210> 241
 <211> 808
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)..(808)
 <223> n = A,T,C or G

<400> 241

agcgtggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagtg	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagttc	ccctgttact	ggttacagag	taaccaccac	tccccaaaaat	360
ggaccaggac	caacaaaaac	taaaactgca	ggtccagatc	aaacagaaat	gactattgaa	420
ggcttgacgc	ccacagtgga	gtatgtgggt	agtgtctatg	ctcagaatcc	aagcggagag	480
agtcagcctc	tggttcagac	tgcagtaacc	actattcctg	caccaactga	cctgaagttc	540
actcagggtc	caccacaag	cctgagccgc	cagtggacac	cacccaatgt	tactcactg	600
gatatcgagt	gcgggtgacc	ccaaggaga	agaccgggac	ccatgaaaga	aatcaacctt	660
gctcctgaca	gctcatccgn	gggtgtatca	ggacttatgg	gggactgcc	cggcnggccg	720
ntcgaaancg	aattntgaaa	tttccttcnc	actggngngc	gnttcgagct	tncttntana	780
nggcccatt	cncctntagn	gggtcgtn				808

<210> 242
 <211> 26
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 242

agcgtggtcg cggccgaggt cnagga

26

<210> 243

<211> 697

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(697)

<223> n = A,T,C or G

<400> 243

tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctggtatc	atggcagccg	60
ccacgtgcc	ggattaccgg	ctacatcatc	aagtatgaga	agcctgggtc	tcctcccaga	120
gaagtgggtc	ctcggccccg	ccctggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgctcattgcc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttccaca	ccccaatctt	300
catggaccag	agatcttgga	tgctccttcc	acagttcaaa	agaccccttt	cgtcacccac	360
cctgggtatg	acactggaaa	tggtattcag	cttcctggca	cttctggtca	gcaaccaggt	420
gttgggcaac	aaatgatctt	tgaggaacat	ggttttaggc	ggaccacacc	gccacaacg	480
ggcaccacca	taaggnatag	gccaaagacca	taccccgccg	aatgtaggac	aagaagctct	540
ntctcaacaa	ccatctcatg	ggccccattc	caggacactt	ctgagtacat	catttcatgt	600
catcctggtg	ggcacttgat	gaanaaccct	tacagttcag	ggttcctgga	acttctacca	660
gngccacttc	tgacagganc	ttgggcgnga	ccaccct			697

<210> 244

<211> 373

<212> DNA

<213> Homo sapien

<400> 244

agcgtggtcg	cggccgaggt	ccattttctc	cctgacggtc	ccacttctct	ccaatcttgt	60
agttcacacc	attgtcatgg	caccatctag	atgaatcaca	tctgaaatga	ccacttccaa	120
agcctaagca	ctggcacaac	agtttaaagc	ctgattcaga	cattcgttcc	caactcatctc	180
caacggcata	atgggaaact	gtgtaggggt	caaagcacga	gtcatccgta	ggttggttca	240
agccttcggt	gacagagttg	cccacggtaa	caacctcttc	ccgaacctta	tgctcttget	300
ggtctttcag	tgctccact	atgatgttgt	aggtggcacc	tctggtgagg	acctgcccgg	360
gcggcccgcg	cga					373

<210> 245

<211> 307

<212> DNA

<213> Homo sapien

<400> 245

agcgtggtcg	cggccgaggt	gtgccccaga	ccaggaattc	ggcttcgacg	ttggccctgt	60
ctgcttcctg	taaactccct	ccatcccaac	ctggctccct	cccacccaac	caactttccc	120
cccaaccg	aaacagacaa	gcaacccaaa	ctgaaccccc	tcaaaaagcca	aaaaaatggg	180
agacaatttc	acatggactt	tggaataat	ttttttcctt	tgcatcctac	tctcaaaactt	240
agtttttatc	tttgaccaac	cgaacatgac	caaaaaccaa	aagtgacctg	cccgggcggc	300
cgctcga						307

<210> 246
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 246

tcgagcggcc	gcccgggcag	gtcctcacca	gaggtgccac	ctacaacatc	atagtggagg	60
cactgaaaga	ccagcagagg	cataagggtc	gggaagaggt	tgttaccgtg	ggcaactctg	120
tcaacgaagg	cttgaaccaa	cctacggatg	actcgtgctt	tgacccttac	acagtttccc	180
attatgccgt	tggagatgag	tgggaacgaa	tgtctgaatc	aggctttaaa	ctgttgtgcc	240
agtgccttagg	ctttggaagt	ggtcatttca	gatgtgattc	atctagatgg	tgccatgaca	300
atggtgtgaa	ctacaagatt	ggagagaagt	gggaccgtca	gggagaaaat	ggacctcggc	360
cgcgaccacg	ct					372

<210> 247
 <211> 348
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(348)

<223> n = A,T,C or G

<400> 247

togagcggcc	gcccgggcag	gtaccggggt	ggtcagcgag	gagccattca	cactgaactt	60
caccatcaac	aacctgcggt	atgaggagaa	catgcagcac	cctggctcca	ggaagttaa	120
caccacggag	agggtccttc	agggcctgct	caggtccctg	ttcaagagca	ccagtgttgg	180
ccctctgtac	tctggctgca	gactgacttt	gctcagacct	gagaaacatg	gggcagccac	240
tggagtggac	gccatctgca	ccctccgcct	tgatcccact	ggtntctggac	tggacanana	300
gcggtctatac	ttgggagctg	anccnaacct	ttggcgngna	cncncctt		348

<210> 248
 <211> 304
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(304)

<223> n = A,T,C or G

<400> 248

gaggactggc	tcagctccca	gtatagccgc	tctctgtcca	gtccaggacc	agtgggatca	60
aggcggaggg	tgcagatggc	gtccactcca	gtggctgccc	catgtttctc	aagtctgagc	120
aaagncagtc	tgcagccaga	gtacagaggg	ccaacactgg	tgctcttgaa	cagggacctg	180
agcaggccct	gaaggaccct	ctccgtgggt	ttgaacttcc	tggagccagg	gtgctgcatg	240
ttctcctcat	accgcagggt	gttgatgggt	aagttcagtg	tgaatggctc	ctcgctgacc	300
accc						304

<210> 249
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 249

agcgtggtcg	cggccgaggt	ccaccacacc	caattccttg	ctggtatcat	ggcagccgcc	60
acgtgccagg	attaccggct	acatcatcaa	gtatgagaag	cctgggtctc	ctcccagaga	120
agtgggtccct	cggccccgcc	ctgggtgtcac	agaggctact	attactggcc	tggaaccggg	180
aaccgaatat	acaatttatg	tcattgccct	gaagaataat	cagaagagcg	agcccctgat	240
tggaaggaaa	aagacagacg	agcttcccca	actggtaacc	cttccacacc	ccaatcttca	300
tggaccanan	ancttggatn	gtcctttcac	nggttnaaaa	aacccttttc	gccccccac	360
cttgggggatt	aaccttggga	aanggggatt	tnaccnttcc			400

<210> 250

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 250

tcgagcggcc	gcccgggcag	gtcctgtcag	agtggcactg	gtagaagttc	caggaaccct	60
gaactgtaag	ggttcttcat	cagtgccaac	aggatgacat	gaaatgatgt	actcagaagt	120
gtcctggaat	ggggcccatg	agatggttgt	ctgagagaga	gcttcttgtc	ctacattcgg	180
cgggtatggt	cttggccctat	gccttatggg	ggtggccggt	gtgggcccgt	tggtccgcct	240
aaaacatgt	tcctcaaaga	tcatttgttg	cccaacactg	ggttgctgac	cagaagtgcc	300
aggaagctga	ataccatttc	cagtgtcata	cccagggngg	gtgaccaaag	ggggtcnttt	360
ngacctggng	aaaggaacca	tccaaaaact	ctgncccatg			400

<210> 251

<211> 514

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(514)

<223> n = A,T,C or G

<400> 251

agcgtggncg	cggccgaggt	ctgaggatgt	aaactcttcc	caggggaagg	ctgaagtgct	60
gaccatgggtg	ctactgggtc	cttctgagtc	agatatgtga	ctgatgngaa	ctgaagtagg	120
tactgtagat	ggtgaagtct	gggtgtccct	aaatgctgca	tctccagagc	cttccatcat	180
taccgtttct	tcttttgcta	tgggatgaga	cactgttgag	tattctctaa	agtcaccact	240
gaaatcttcc	tccaaaggaa	aacctgtgga	aaagcccctt	atttctgccc	cataatttgg	300
ttctcctaata	cnctctgaaa	tcactatttc	cctggaangt	ttgggaaaaa	nngggcnacc	360
tgncantgga	aantggatan	aaagatccca	ccattttacc	caacnagcag	aaagtgggaa	420
nggtaccgaa	aagctccaag	taanaaaaag	gaggggaagta	aaggtcaagt	gggcaccagt	480
ttcaaacaaa	actttcccca	aactatanaa	ccca			514

<210> 252

<211> 501

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 252
 aagcggcgc ccgggcaggn ncagnagtgc cttcgggact gggntcacc ccaggtctgc 60
 ggcagttgtc acagcgccag ccccgctggc ctccaaagca tgtgcaggag caaatggcac 120
 cgagatattc cttctgccac tgttctccta cgtggatgt cttcccatca tcgtaacacg 180
 ttgcctcatg agggtcacac ttgaattctc cttttccgtt cccaagacat gtgcagctca 240
 tttggctggc tctatagttt ggggaaagt ttgtgaaact gtgccactga cctttacttc 300
 ctctttctct actggagctt tccgtacct ccacttctgc tgntggnaaa aagggnggaa 360
 cntcttatca atttcattgg acagtanccc nctttctncc caaaacatnc aagggaaaat 420
 attgattncn agagcggatt aaggaacaac ccnaattatg ggggccagaa ataaaggggg 480
 cttttccaca ggtnttttcc t 501

<210> 253
 <211> 226
 <212> DNA
 <213> Homo sapien

<400> 253
 tcgagcggcc gcccgggcag gtctgcaggc tattgtaagt gttctgagca catatgagat 60
 aacctgggcc aagctatgat gtctgatacg ttaggtgtat taaatgcact ttgactgcc 120
 atctcagtgg atgacagcct tctcactgac agcagagatc ttcctcactg tgccagtggg 180
 caggagaaag agcatgctgc gactggacct cggccgcgac cacgct 226

<210> 254
 <211> 226
 <212> DNA
 <213> Homo sapien

<400> 254
 agcgtgggtc cggcgaggt ccagtcgcag catgctcttt ctctgcca ctggcacagt 60
 gaggaagatc tctgctgtca gtgagaaggc tgtcatccac tgagatggca gtcaaaagt 120
 catttaatac acctaacgta tcgaacatca tagcttggcc caggttatct catatgtgct 180
 cagaacactt acaatagcct gcagacctgc ccgggcggcc gctcga 226

<210> 255
 <211> 427
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 255
 cgagcggccg cccgggcagg tccagactcc aatccagaga accaccaagc cagatgtcag 60
 aagctacacc atcacaggtt tacaaccagg cactgactac aagatctacc tgtacacctt 120
 gaatgacaat gtcggagct cccctgtggt catcgacgcc tccactgcca ttgatgcacc 180
 atccaacctg cgtttcctgg ccaccacacc caattccttg ctggtatcat ggcagccgcc 240
 acgtgccagg attaccggct acatcatcaa gtatgagaag cctgggtctc ctcccagaga 300
 agtggctcct cggccccgcc ctggtgnac agaagctact attactggcc tggaaccggg 360
 aaccgaatat acaatttatg tcattgccct gaagaataat canaagagcg agcccctgat 420
 tggaagg 427

<210> 256
 <211> 535
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 256

agcgtggtcg	cgcccgaggt	cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	60
actgtaaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	120
cctggaatgg	ggcccatgag	atggttgtct	gagagagagc	ttcttgtcct	gtctttttcc	180
ttccaatcag	gggctcgctc	ttctgattat	tcttcagggc	aatgacataa	attgtatatt	240
cggttcccg	ttccaggcca	gtaatagtag	cctctgtgac	accagggcgg	ggccgaggga	300
ccacttctct	gggaggagac	ccaggcttct	catacttgat	gatgtanccg	gtaatcctgg	360
caccgtggcg	gctgccatga	taccagcaag	gaattgggtg	tgggtggcca	gaaacgcagg	420
ttggatggtg	catcaatggc	agtggaggcg	tcgatnacca	caggggagct	ccgancattg	480
tcattcaagg	tggacaggta	gaatcttgta	atcagggtgcc	tggtttgtaa	acctg	535

<210> 257
 <211> 544
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

<400> 257

tcgagcggcc	gcccgggag	gtttcgtgac	cgtgacctcg	aggtggacac	caccctcaag	60
agcctgagcc	agcagatcga	gaacatccgg	agcccagagg	gcagccgcaa	gaaccccgcc	120
cgcacctgcc	gtgacctcaa	gatgtgccac	tctgactgga	agagtggaga	gtactggatt	180
gaccccaacc	aaggctgcaa	cctggatgcc	atcaaagtct	tctgcaacat	ggagactggt	240
gagacctgcg	tgtacccac	tcagcccagt	gtggcccaga	agaactggta	catcagcaag	300
aaccccaagg	acaagaagca	tgtctggttc	ggcgaaagca	tgaccgatgg	attccagttc	360
gagtatggcg	gccagggctc	cgacctgcc	gatgtggacc	tcggccgcga	ccacgctaag	420
cccgaattcc	agcacactgg	cggccgttac	tagtgggatc	cgagcttcgg	taccaagctt	480
ggcgtaatca	tgggncatag	ctgtttcctg	ngtgaaaatg	gtattccgct	tcacaatttc	540
ccac						544

<210> 258
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 258

agcgtggtcg	cgcccgaggt	ccacatcggc	agggtcggag	ccctggccgc	catactcgaa	60
ctggaatcca	tcggatcatgc	tctcgccgaa	ccagacatgc	ctcttgtcct	tgggggttctt	120
gctgatgtac	cagttcttct	gggccacact	gggctgagtg	gggtacacgc	aggtctcacc	180
agtctccatg	ttgcagaaga	ctttgatggc	atccaggttg	cagccttggt	tgggggtcaat	240
ccagtactct	ccactcttcc	agtcagagtg	gcacatcttg	aggtcacggc	aggtgcgggc	300
ggggttcttg	cggtgcctct	ctgggctccg	gatgttctcg	atctgctggc	tcaagctctt	360
gaaggggtggt	gtccacctcg	aggtcacggg	cacgaaacct	gcccgggcgg	ccgctcga	418

<210> 259
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 259
 agcgtggtcg cggccgaggt caagaacccc gcccgcacct gccgtgacct caagatgtgc 60
 cactctgact ggaagagtgg agagtactgg attgaccca accaaggctg caacctggat 120
 gccatcaaag tcttctgcaa catggagact ggtgagacct gcgtgtacct cactcagccc 180
 agtgtggccc agaagaactg gtacatcagc aagaaccca aggacaagag gcatgtctgg 240
 ttcggcgaga gcatgaccga tggattccag ttcgagtatg gcggccaggg ctccgaccct 300
 gccgatgtgg acctgcccgn gccggncgcg tcgaaaagcc cnaatttcca gncacacttg 360
 gccggccggt actactg 377

<210> 260
 <211> 332
 <212> DNA
 <213> Homo sapien

<400> 260
 tcgagcggcc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg 60
 aactggaatc catcgggtcat gctctcgccg aaccagacat gcctcttgtc cttgggggttc 120
 ttgctgatgt accagttctt ctgggccaca ctgggctgag tgggggtacac gcaggtctca 180
 ccagtctcca tgttgagaaa gactttgatg gcatccaggt tgcagccttg gttgggggtca 240
 atccagtact ctccactctt ccagtcagag tggcacatct tgagggtcacg gcaggtgcgg 300
 gcgggggttct tgacctcggc cgcgaccacg ct 332

<210> 261
 <211> 94
 <212> DNA
 <213> Homo sapien

<400> 261
 cgagcggccg cccgggcagg tccccccct tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttt 94

<210> 262
 <211> 650
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 262
 agcgtggtcg cggccgaggt ctggcattcc ttcgacttct ctccagccga gtttcccaga 60
 acatcacata tcaactgcaa aatagcattg catacatgga tcaggccagt ggaaatgtaa 120
 agaaggccct gaagctgatg gggctcaaat aaggtgaatt caaggctgaa ggaaatagca 180
 aattcaccta cacagttctg gaggatgggt gcacgaaaca cactggggaa tggagcaaaa 240

cagtctttga	atatcgaaca	cgcaaggctg	tgagactacc	tattgtagat	attgcaccct	300
atgacattgg	tggtcctgat	caagaatttg	gtgtggacgt	tggccctgtt	tgctttttat	360
aaaccaaact	ctatctgaaa	tcccaacaaa	aaaaatttaa	ctccatatgt	gntcctcttg	420
ttctaattctt	ggcaaccagt	gcaagtgacc	gacaaaattc	cagttattta	tttccaaaat	480
gtttggaaac	agtataattt	gacaaagaaa	aaaggatact	tctctttttt	tggtctggtcc	540
accaaataca	attcaaaagg	cttttttggt	ttattttttt	anccaattcc	aatttcaaaa	600
tgtctcaatg	gngcttataa	taaaataaac	tttcaccctt	ntttnttgat		650

<210> 263
 <211> 573
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 263

agcgtgggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagttagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagt	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagttc	ccctgttact	ggttacagaa	gtaaccacca	ctccccaaaa	360
tggaccagga	ccaacaaaaa	ctaaaactgc	aggtccagat	caaacagaaa	atggactatt	420
gaaggcttgc	agcccacagt	ggaagtatgt	ggntaggngt	ctatgctcag	aatcccaagc	480
cggagaaagt	cagccttctg	gttttagactg	cagtaaccaa	cattgatcgc	cctaaaggac	540
tggncattca	cttggatggt	ggatgtccaa	ttc			573

<210> 264
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

<400> 264

tcgagcggcc	gcccgggcag	gtccttgacg	ctctgcagng	tcttcttcac	catcaggtgc	60
agggaaatagc	tcatggattc	catcctcagg	gctcgagtag	gtcaccctgt	acctggaaac	120
ttgcccctgt	gggttttccc	aagcaatttt	gatggaatcg	acatccacat	cagngaattgc	180
cagtccttta	gggcgatcaa	tgttggttac	tgcagtctga	accagaggct	gactctctcc	240
gcttggattc	tgagcataga	cactaaccac	atactccact	gtgggctgca	agccttcaat	300
agtcatttct	gtttgatctg	gacctgcagt	tttaagtttt	tgggtggtcct	gncccathtt	360
tgggaagtgg	ggggttactc	tgtaaccagt	aacaggggaa	cttgaaggca	gccacttgac	420
actaatgctg	ttgtcctgaa	catcggtcac	ttgcatctgg	ggatggtttt	gacaatttct	480
ggttcggcaa	attaatggaa	attggcttgc	tgcttggcgg	ggctgnctcc	acggggccagt	540
gacagcatac						550

<210> 265
 <211> 596
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 265

tcgagcggcc	gcccgggcag	gtccttgacg	ctctgcagtg	tcttcttcac	catcaggtgc	60
agggaaatagc	tcatggattc	catcctcagg	gctcgagtag	gtcaccctgt	acctggaaac	120
ttgcccctgt	gggctttccc	aagcaatttt	gatggaatcg	acatccacat	cagtgaatgc	180
cagtccttta	gggcgatcaa	tggtggttac	tgacgtctga	accagaggct	gactctctcc	240
gcttggtatc	tgagcataga	cactaaccac	atactccact	gtgggctgca	agccttcaat	300
agtcatttct	gtttgatctg	gacctgcagt	tttaagtttt	tggtggncct	gnnccatttt	360
tggggaaggg	gtggttactc	ttgtaaccag	taacagggga	acttgaagca	gccacttgac	420
actaatgctg	gtggcctgaa	catcggtcac	ttgcatctgg	gatggtttgg	tcaatttctg	480
ttcggttaatt	aatgggaaat	tggttactg	gcttgcgggg	gctgtctcca	cggncagtga	540
caagcataca	caggngatgg	gtataatcaa	ctccaggttt	aaggccnctg	atggta	596

<210> 266
 <211> 506
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(506)
 <223> n = A,T,C or G

<400> 266

agcgtgggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcaactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agtaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagtg	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagttc	ccctgttact	ggttacagag	taaccaccac	tccccaaaat	360
gggaccagga	ccaacaaaaa	actaaaactg	canggtccag	atcaaacaga	aatgactatt	420
gaaggcttgc	agcccacagt	ggagtatgtg	ggttagtgtc	tatgtctcaga	atnccaagcg	480
gagagagtca	gcctctgggt	cagact				506

<210> 267
 <211> 548
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 267

tcgagcggcc	gcccgggcag	gtcagcgctc	tcaggacgtc	accaccatgg	cctgggctct	60
gctcctcctc	accctcctca	ctcagggcac	agggtcctgg	gccagttctg	ccctgactca	120
gcctccctcc	gcgtccgggt	ctcctggaca	gtcagtcacc	atctcctgca	ctggaaccag	180
cagtgacgtt	ggtgcttatg	aatttgtctc	ctggtaccaa	caacaccocag	gcaaggcccc	240
caaactcatg	atttctgagg	tactaagcgg	gccctcaggg	gtccctgata	gcttctctgg	300
ctccaagtct	ggcaacacgg	cctccctgac	cgtctctggg	ctccangctg	aggatgangc	360
tgattattac	tggaagctca	tatgcaggca	acaacaattg	ggtgttcggc	ggaagggacc	420
aagctgaccg	tnctaaggctc	aagcccaagg	cttgccccc	tcggteactc	tgttccacc	480

ctcctctgaa gaagctttca agccaacaan gncacactgg gtgtgtctca taagtggact 540
ttctaccc 548

<210> 268
<211> 584
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

<400> 268
agcgtggtcg cggccgaggt ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc 60
tcaggtagct gctggccgcg tacttggtgt tgctttgntt ggaggggtgt gtggtctcca 120
ctccgcctt gacggggctg ctatctgcct tccaggccac tgtcacggct cccgggtaga 180
agtcacttat gagacacacc agtgtggcct tgttggcttg aagctcctca gaggagggtg 240
ggaacagagt gaccgagggg gcagccttgg gctgacctag gacggtcagc ttggtccctc 300
cgccgaacac ccaattgttg ttgcctgcat atgagctgca gtaataatca gcctcatcct 360
cagcctggag cccagagacn gtcaagggag gcccggtgtt gccaaagactt ggaagccaga 420
naagcgatca gggacccttg agggccgctt tacngacctc aaaaaatcat gaatttgggg 480
ggcctttgcc tggnggttgg ttggtnacca gnaaaacaaa atttcataaa gcaccaacgt 540
cactgctggt ttccagtgc ngaanatggt gaactgaant gtcc 584

<210> 269
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 269
agcgtggtcg cggccgaggt ccagcatcag gagccccgcc ttgccggctc tggtcacgc 60
ctttcttttt gtggcctgaa acgatgtcat caattcgcag tagcagaact gccgtctcca 120
ctgctgtctt ataagtctgc agcttcacag ccaatggctc ccatatgcc agttccttca 180
tgtccaccaa agtaccgctc tcaccattta caccacaggt ctcacagttc tcctgggtgt 240
gcttggcccc aagggaggta agtanacgga tgggtgctgg cccacagttc tggatcaggg 300
tacgaggaat gacctctagg gcctgggcna caagccctgt atggacctgc ccgggcgggc 360
ccgctcga 368

<210> 270
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 270
tcgagcggcc gcccgggcag gtccatacag ggctgttgcc caggccctag aggncaattcc 60
ttgtaccctg atccagaact gtgggaccag caccatccgt ctacttacct cccttcgggc 120


```
<210> 271
<211> 424
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G
```

```
<210> 272
<211> 541
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(541)  
<223> n = A,T,C or G
```

```
<210> 273
<211> 579
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G
```

<400> 273

agcgtggtcg	cggccgaggt	ctggccctcc	tggcaaggct	ggtgaagatg	gtcaccctgg	60
aaaaccggga	cgacctggtg	agagaggagt	tgttggacca	caggggtgctc	gtggtttccc	120
tggaaactcct	ggacttcctg	gcttcaaagg	cattagggga	cacaatggtc	tggatggatt	180
gaagggacag	cccgggtgctc	ctgggtgtgaa	gggtgaacct	ggngcccctg	gtgaaaatgg	240
aactccaggt	caaacaggag	cccnggggct	tcctggngag	agaggacgtg	ttggtgcccc	300
tggcccanac	ctgcccgggc	ggccgctcna	aaagccgaaa	tccagnacac	tggcggccgn	360
tactantgga	atccgaactt	cggtaccaaa	gcttggccgt	aatcatggcc	atagcttggt	420
ccctggggng	gaaattggta	ttccgctncc	aattccacac	aacataccga	acccggaaag	480
cattaaagtg	taaaagccct	gggggggcct	aaatgangtg	agcntaactc	ncatttaatt	540
ggcgttgccg	ttcactgccc	cgctttttcca	gtccgggna			579

<210> 274

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 274

tcgagcggcc	gcccgggcag	gtctggggcca	ggggcaccaa	cacgtcctct	ctcaccagga	60
agcccacggg	ctcctgtttg	acctggagtt	ccattttcac	caggggcacc	aggttcaccc	120
ttcacaccag	gagcaccggg	ctgtcccttc	aatccatcca	gaccattgtg	ncccctaattg	180
cctttgaagc	caggaagtcc	aggagttcca	gggaaaccac	gagcaccttg	tggccaaca	240
actcctctct	caccaggctg	tccgggtttt	ccagggtgac	catcttcacc	agccttgcca	300
ggagggccag	acctcggccg	cgaccacgct				330

<210> 275

<211> 97

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(97)

<223> n = A,T,C or G

<400> 275

ancgtggtcg	cggccgaggt	cctcaccaga	ggtgncacct	acaacatcat	agtggaggca	60
ctgaaagacc	ancagaggca	taaggttcgg	gaagagg			97

<210> 276

<211> 610

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(610)

<223> n = A,T,C or G

<400> 276

tcgagcggcc	gcccgggcag	gtccattttc	tccctgacgg	tcccacttct	ctccaattctt	60
------------	------------	------------	------------	------------	-------------	----

gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagttttaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcacccg	taggttgggt	240
caagccttcg	ttgacagagt	tgtccacggg	aacaacctct	tcccgaacct	tatgcctctg	300
ctggtctttc	agtgcctcca	ctatgatgtt	gtaggtggca	cctctgggtga	ggacctcngn	360
ccngaacaac	gcttaagccc	gnattctgca	gaataatccc	atcacacttg	gcggccgctt	420
cgancatgca	tcntaaaagg	ggcccgaatt	tcccccttat	aagngaanc	gtatttncca	480
atttcactgg	ncccgccgnt	tttacaacg	ncggtgaact	ggggaaaaac	cctggcggtt	540
acccaacttt	aatcgccntt	ggcagcacia	tccccctttt	tcgnccancn	tgggcgtaaa	600
taaccgaaaa						610

<210> 277

<211> 38

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(38)

<223> n = A,T,C or G

<400> 277

ancngngtcg cggccgangt nttttttctt nttttttt

38

<210> 278

<211> 443

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 278

agcgtggtcg	cggccgaggt	ctgaggttac	atgcgtggtg	gtggacgtga	gccacgaaga	60
ccctgaggtc	aagttcaact	ggtacgtgga	cggcgtggag	gtgcataatg	ccaagacaaa	120
gccgcgggag	gagcagtaca	acagcacgta	ccgggnggtc	agcgtcctca	ccgtcctgca	180
ccagaattgg	ttgaatggca	aggagtacaa	gngcaaggtt	tccaacaaaag	ccntcccagc	240
ccccntcgaa	aaaaccattt	ccaaagccaa	agggcagccc	cgagaaccac	aggtgtacac	300
cctgccccca	tcccgggagg	aaaagancaa	naaccnggtt	cagccttaac	ttgcttggtc	360
naangctttt	tatcccaacg	nacttcccc	ntggaantgg	gaaaaaccaa	tgggccaanc	420
cgaaaaacaa	ttacaanaac	ccc				443

<210> 279

<211> 348

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(348)

<223> n = A,T,C or G

<400> 279

tcgagcggcc	gcccgggcag	gtgtcggagt	ccagcacggg	aggcgtggtc	ttgtagttgt	60
tctccggctg	cccattgctc	tcccactcca	cggcgatgtc	gctgggatag	aagcctttga	120

ccaggcaggt	caggctgacc	tggttcttgg	tcattctctc	ccgggatggg	ggcaggggtga	180
acacctgggg	ttctcggggc	ttgccctttg	gttttgaana	tggttttctc	gatgggggct	240
ggaagggctt	tggtgnaaac	cttgcaactg	actccttgcc	attcaccag	ncctggngca	300
ggacggngag	gacnctnacc	acacggaacc	gggctggtgg	actgctcc		348

<210> 280
 <211> 149
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(149)
 <223> n = A,T,C or G

<400> 280						
agcgtggtcg	cggacgangt	cctgtcagag	tggnactggt	agaagttcca	ngaaccctga	60
actgtaaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagnn	120
cctggaatgg	ggcccatgan	atggttgcc				149

<210> 281
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 281						
tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctggtatc	atggcagccg	60
ccacgtgcca	ggattaccgg	ctacatcatc	aagtatgaga	agcctgggtc	tcctcccaga	120
gaagtgggtc	ctcggccccc	ccctggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgatcattgc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttccaca	ccccaatctt	300
catggaccag	agatcttgga	tggttccttc	acagttcaaa	agaccctttt	cggcaccccc	360
cctgggtatg	aacctgggaa	aanggnantt	aanccttctc	ggca		404

<210> 282
 <211> 507
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 282						
agcgtggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgaagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagtg	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaaggtg	ccctggtact	gggttacaga	ntaaccacca	ctcccaaaaa	360
tggaccagga	accacaaaaa	cttaaactgc	agggtccaga	tcaaaacaga	aatgactatt	420

gaangcttgc agccacacagt gggagtatgn gggtagtgnc tatgcttcag aatccaagcg 480
gaaaaangtc aagccttntg ggttcaa 507

<210> 283
<211> 325
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 283
tcgagcggcc gcccgggcag gtccttgcag ctctgcagtg tcttcttcac catcaggtgc 60
agggaatagc tcatggattc catcctcagg gctcgagtag gtcaccctgt acctggaaac 120
ttgcccctgt gggctttccc aagcaatttt gatggaatcg acatccacat cagtgaatgc 180
cagtccttta gggcgatcaa tggttggttac tgcagnctga accagaggct gactctctcc 240
gcttgatttc tgagcataga cactaaccac atactccact gtgggctgca anccttcaat 300
aanncatttc tgtttgatct ggacc 325

<210> 284
<211> 331
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 284
tcgagcggcc gcccgggcag gtctggtggg gtcttggcac acgcacatgg gggngttgnt 60
ctnatccagc tgcccagccc ccattggcga gtttgagaag gtgtgcagca atgacaacaa 120
naccttcgac tcttcctgcc acttctttgc caciaagtgc accctggagg gcaccaagaa 180
gggccacaag ctccacctgg actacatcgg gccttgcaaa tacatccccc cttgcctgga 240
ctctgagctg accgaattcc cccttgcgca tgcgggactg gctcaagaac cgtcctggca 300
cccttgatat anagggatga agacacnacc c 331

<210> 285
<211> 509
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 285
agcgtggtcg cggccgaggt ctgtcctaca gtctcagga ctctactccc tcagcagcgt 60
ggtgaccgtg ccctccagca acttcggcac ccagacctac acctgcaacg tagatcacia 120
gccagcaac accaaggtgg acaagagagt tgagcccaa tcttgtagaca aaactcacac 180
atgccaccg tgcccagcac ctgaactcct ggggggaccg tcagtcttcc tcttcccccg 240
catccccctt ccaaacctgc ccggggcgcc gctcgaaagc cgaattccag cacactggcg 300
gccggtacta gtgganccna acttggnanc caacctggng gaantaatgg gcataanctg 360
tttctggggg gaaattggta tccngtttac aattcccnca caacatacga gccggaagca 420

taaaagngta aaagcctggg ggnggcctan tgaagtgaag ctaaactcac attaattngc 480
gttgccgctc actggcccg ctttccagc 509

<210> 286
<211> 336
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 286
tcgagcggcc gcccgggcag gtttggaagg gggatgcggg ggaagaggaa gactgacggt 60
ccccccagga gttcaggtgc tgggcacggt gggcatgtgt gagttttgtc acaagatttg 120
ggctcaactc tcttgtccac cttggtgttg ctgggcttgt gatctacgtt gcaggtgtag 180
gtctgggngc cgaagttgct ggagggcacg gtcaccacgc tgctgaggga gtagagtcct 240
gaggactgta ngacagacct cggccgngac cacgctaagc cgaattctgc agatatccat 300
cacactggcg gccgctccga gcatgcattt tagagg 336

<210> 287
<211> 30
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 287
agcgtggncg cggacganga caacaacccc 30

<210> 288
<211> 316
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 288
tcgagcggcc gcccgggcag gnccacatcg gcagggtcgg agccctggcc gccatactcg 60
aactggaatc catcggtcat gctcttgccg aaccagacat gcctcttgtc cttgggggtc 120
ttgctgatgn accagttctt ctgggcccaca ctgggctgag tgggggtacac gcaggtctca 180
ccagtctcca tgttgacagaa gactttgatg gcatccaggt tgcagccttg gttgggggtca 240
atccagtact ctccactctt ccagtcagag tggcacatct tgaggtcacg gcaggtgcgg 300
gcgggggttct tgacct 316

<210> 289
<211> 308
<212> DNA
<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 289
 agcgtggtcg cggccgaggt ccagcctgga gataanggtg aaggtggtgc ccccggactt 60
 ccaggtatag ctggacctcg tggtagccct ggtgagagag gtgaaactgg ccctccagga 120
 cctgctggtt tccctggtgc tcttgacag aatggtgaac ctggnggtaa aggagaaaga 180
 ggggctccgg ntganaaagg tgaaggaggc cctcctgnat tggcaggggc cccangactt 240
 agaggtggag ctggccccc tggcccccga ggaggaaagg gtgctgctgg tcctcctggg 300
 ccacctgg 308

<210> 290
 <211> 324
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(324)
 <223> n = A,T,C or G

<400> 290
 tcgagcggcc gcccgggcag gtctggggcca ggaggaccaa taggaccagt aggacccctt 60
 gggccatctt tccctgggac accatcagca cctggaccgc ctggttcacc ctgttcaccc 120
 tttggaccag gacttccaag acctcctctt tctccaggca ttccttgacg accaggagta 180
 ccancagcac caggtggccc aggaggacca gcagcaccct ttcctccttc gggaccaggg 240
 ggaccagctc cacctctaag tcctggggcc cctgccaatc caggaggggc tccttcacct 300
 ttctcacccg gagccctctt ttct 324

<210> 291
 <211> 278
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 291
 tcgagcggcc gcccgggcag gtccaccggg atattcgggg gtctggcagg aatgggaggc 60
 atccagaacg agaaggagac catgcaaagc ctgaacgacc gcctggcctc ttacctggac 120
 agagtgagga gcctggagac cgacaaccgg aggctggaga gcaaaatccg ggagcacttg 180
 gagaagaagg gaccccaggt cagagactgg agccattact tcaagatcat cgaggacctg 240
 agggctcana tcttcgcaaa tactgengac aatgcccc 278

<210> 292
 <211> 299
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

```
<210> 293
<211> 101
<212> DNA
<213> Homo sapien
```

```
<210> 294
<211> 285
<212> DNA
<213> Homo sapien
```

<400> 294						
gggcc	gcccgggcag	gtctgccaac	accaagattg	gccccgcgcg	catccacaca	60
ctgtgc	ggggaggttaa	caagaaatac	cgtgccctga	ggntggacgn	ggggaatttc	120
gggct	cagagtgttg	tactcgtaaa	acaaggatca	tcgatgttgt	ctacaatgca	180
taacg	agctggttcg	taccaagacc	ctgggtgaaga	attgcatcgt	gctcatngac	240
accgt	accgacagtg	ggtaccgaag	tcccactatg	cncct		285

```
<210> 295
<211> 216
<212> DNA
<213> Homo sapien
```

```
<210> 296
<211> 414
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G
```

<400> 296
agcgtgntcn cggccgagga tggggaagct cgnctgtctt tttccttcca atcaggggct 60


```

nnntcttctg attattcttc agggcaanga cataaattgt atattcggnt cccggttcca 120
gnccagtaat agtagcctct gtgacaccag ggcggggccg agggaccact tctctgggag 180
gagaccacag cttctcatac ttgatgatga agccggtaat cctggcacgt gggcggctgc 240
catgatacca ccaangaatt ggggtgtggtg gacctgcccg ggcggggccg tcgaaaancc 300
gaattcntgc aagaatatcc atcacacttg ggcggggccg tcgaaccatg catcntaaaa 360
gggcccacat ttcccccccta ttaggngaag ccncatttaa caaattccac ttgg 414

```

```

<210> 297
<211> 376
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 297
tcgagcggcc gcccgggcag gtctcgcggt cgcactggtg atgctggtcc tgttggtccc 60
cccgccctc ctggacctcc tgggtccccc ggtcctccca gcgctggttt cgacttcagc 120
ttcctgcccc agccacctca agagaaggct cacgatggtg gccgctacta cggggtgat 180
gatgccaatg tggttcgtga ccgtgacctc gaggtggaca ccacctcaa gagccttgag 240
ccagcagaat cgaaaacatt cggaacccaa gaagggaag cccgcaaaga aaccccgccc 300
gcacctggcc gngaacctcc aagaangtgc ccacntcttg actgggaaaa aaagggaaaa 360
ntacttgga ttggac 376

```

```

<210> 298
<211> 357
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

```

```

<400> 298
agcgtggtcg cggccgaggt ccacatcggc agggtcggag ccctggccgc catactcgaa 60
ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgtcct tggggttctt 120
gctgatgtac cagttcttct gggccacact gggctgagtg ggttacacgc aggtctcacc 180
agtctccatg ttgcagaaga ctttgatggc atccaggttg cagccttggt tggggtcaat 240
ccagtactct ccactcttcc agtcagaagt ggcacatctt gaggtcacgg cagggtgcgg 300
gcgggggtct tgccggctgc cttctgccc tcccgggaat ttctnngaac ttgctgg 357

```

```

<210> 299
<211> 307
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

```

```

<400> 299
agcgtggtcg cggccgaggt ccactagagg tctgtgtgcc attgccagg cagagtctct 60
gcgttacaaa ctctaggag ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt 120

```

```
<210> 300
<211> 351
<212> DNA
<213> Homo sapien
```

```
<210> 301
<211> 330
<212> DNA
<213> Homo sapien
```

```
<210> 302
<211> 317
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(317)  
<223> n = A,T,C or G
```

```
<210> 303
<211> 283
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(283)
```

<223> n = A,T,C or G

<400> 303

tcgagcggcc	gcccgacag	gtctggg	atagcaccg	gcatattttg	gaatggatga	60
ggtctggcac	cctgagcagt	ccagcgagga	cttgggtctta	gttgagcaat	ttggctagga	120
ggatagtatg	cagcacggnt	ctgagnctgt	gggatatgctg	ccatgaagta	acctgaagga	180
ggtgctggct	ggtanggggt	gattacaggg	ttgggaacag	ctcgtacact	tgccattctc	240
tgcataact	ggttagtgag	gtgagcctgg	ccctcttctt	ttg		283

<210> 304

<211> 72

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(72)

<223> n = A,T,C or G

<400> 304

agcgtggtcg	cggccgaggt	gagccacagg	tgaccggggc	tgaagctggg	gctgctggnc	60
ctgctggtcc	tg					72

<210> 305

<211> 245

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(245)

<223> n = A,T,C or G

<400> 305

cagcngctcc	nacggggcct	gnngggaccaa	caacaccgtt	ttcaccctta	ggcccttttg	60
ctcctctttc	tccttttagca	ccagggttgac	cagcagcncc	ancaggacca	gcaaattccat	120
tggggccagc	aggaccgacc	tcaccacgtt	caccagggtt	tccccgagga	ccagcaggac	180
cagcaggacc	agcagcccca	gcttcgcccc	ggtcacctgt	ggctcacctc	ggccgcgacc	240
acgct						245

<210> 306

<211> 246

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(246)

<223> n = A,T,C or G

<400> 306

tcgagcggtc	gcccgggcag	gtccaccggg	atagccgggg	gtctggcagg	aatgggaggc	60
atccagaacg	agaaggagac	catgcaaagc	ctgaacgacc	gcctggcctc	ttacctggac	120
agagtgagga	gcctggagac	cganaaccgg	aggctggana	gcaaaatccg	ggagcacttg	180
gagaagaagg	gaccccgagt	caagagactg	gagccattac	ttcaagatca	tcgagggacc	240
tggagg						246

<210> 307
 <211> 333
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(333)
 <223> n = A,T,C or G

<400> 307
 agcgnggtcg cggccgaggt ccagctctgt ctcatacttg actctaaagt catcagcagc 60
 aagacgggca ttgtcaatct gcagaacgat gcgggcattg tccgcagtat ttgcgaagat 120
 ctgagccctc aggtcctcga tgatcttgaa gtaatggctc cagtctctga cctgggggtcc 180
 cttcttctcc aagtgtctccc ggattttgct ctccagcctc cggttctcgg tctccaggct 240
 cctcactctg tccaggtaag aaggcccagg cggtcgttca ggctttgcat ggtctccttc 300
 tcgttctgga tgcttcccat tcttgccaga ccc 333

<210> 308
 <211> 310
 <212> DNA
 <213> Homo sapien

<400> 308
 tcgagcggcc gcccgggcag gtcaggaagc acattgggtct tagagccact gcctcctgga 60
 ttccacctgt gctgcggaca tctccaggga gtgcagaagg gaagcaggtc aaactgctca 120
 gatcagtcag actggctgtt ctcagttctc acctgagcaa ggtcagtcctg cagccagagt 180
 acagagggcc aacactgggtg ttcttgaaca agggcttgag cagaccctgc agaaccctct 240
 tccgtgggtg tgaacttctt ggaaaccagg gtggtgcatg tttttcctca taatgcaagg 300
 ttggtgatgg 310

<210> 309
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 309
 agcgtgggtcg cggccgaggt ccacatcggc aggggtcggag ccctggcgcg cataactcgaa 60
 ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgtcct tggggttctt 120
 gctgatgtac cagttcttct ggccacact gggctgagtg gggtaacacc caggtctcac 180
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<400> 310

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```

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<210> 312

<211> 914

<212> PRT

<213> Homo sapien

<400> 312

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20      25      30
Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser
35      40      45
Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu
50      55      60
Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser
65      70      75      80
Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu
85      90      95
Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala
100      105      110
Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu
115      120      125
Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu
130      135      140
Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr
145      150      155      160
His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val
165      170      175
Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala
180      185      190
Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn
195      200      205
Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr
210      215      220
Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr
225      230      235      240
Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro
245      250      255
Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg
260      265      270
Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu
275      280      285
Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu
290      295      300
Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val
305      310      315      320
Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn
325      330      335

```

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		355					360					365			
Pro	Leu	Phe	Gln	Arg	Ser	Ser	Leu	Gly	Ala	Arg	Tyr	Thr	Gly	Cys	Arg
		370				375					380				
Val	Ile	Ala	Leu	Arg	Ser	Val	Lys	Asn	Gly	Ala	Glu	Thr	Arg	Val	Asp
385					390					395					400
Leu	Leu	Cys	Thr	Tyr	Leu	Gln	Pro	Leu	Ser	Gly	Pro	Gly	Leu	Pro	Ile
				405				410						415	
Lys	Gln	Val	Phe	His	Glu	Leu	Ser	Gln	Gln	Thr	His	Gly	Ile	Thr	Arg
			420					425					430		
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Asn	Glu	Pro	Gly	Pro	Asp	Glu	Pro	Pro	Thr	Thr	Pro	Lys	Pro	Ala	Thr
						455					460				
Thr	Phe	Leu	Pro	Pro	Leu	Ser	Glu	Ala	Thr	Thr	Ala	Met	Gly	Tyr	His
465					470					475					480
Leu	Lys	Thr	Leu	Thr	Leu	Asn	Phe	Thr	Ile	Ser	Asn	Leu	Gln	Tyr	Ser
				485					490					495	
Pro	Asp	Met	Gly	Lys	Gly	Ser	Ala	Thr	Phe	Asn	Ser	Thr	Glu	Gly	Val
			500					505					510		
Leu	Gln	His	Leu	Leu	Arg	Pro	Leu	Phe	Gln	Lys	Ser	Ser	Met	Gly	Pro
		515					520					525			
Phe	Tyr	Leu	Gly	Cys	Gln	Leu	Ile	Ser	Leu	Arg	Pro	Glu	Lys	Asp	Gly
		530				535					540				
Ala	Ala	Thr	Gly	Val	Asp	Thr	Thr	Cys	Thr	Tyr	His	Pro	Asp	Pro	Val
545					550					555					560
Gly	Pro	Gly	Leu	Asp	Ile	Gln	Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu
				565					570					575	
Thr	His	Gly	Val	Thr	Gln	Leu	Gly	Phe	Tyr	Val	Leu	Asp	Arg	Asp	Ser
			580					585					590		
Leu	Phe	Ile	Asn	Gly	Tyr	Ala	Pro	Gln	Asn	Leu	Ser	Ile	Arg	Gly	Glu
		595					600					605			
Tyr	Gln	Ile	Asn	Phe	His	Ile	Val	Asn	Trp	Asn	Leu	Ser	Asn	Pro	Asp
		610				615					620				
Pro	Thr	Ser	Ser	Glu	Tyr	Ile	Thr	Leu	Leu	Arg	Asp	Ile	Gln	Asp	Lys
625					630					635					640
Val	Thr	Thr	Leu	Tyr	Lys	Gly	Ser	Gln	Leu	His	Asp	Thr	Phe	Arg	Phe
				645					650					655	
Cys	Leu	Val	Thr	Asn	Leu	Thr	Met	Asp	Ser	Val	Leu	Val	Thr	Val	Lys
			660					665					670		
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		675					680					685			
Leu	Asp	Lys													

785					790					795					800
Asn	Phe	Ser	Pro	Leu	Ala	Arg	Arg	Val	Asp	Arg	Val	Ala	Ile	Tyr	Glu
				805					810					815	
Glu	Phe	Leu	Arg	Met	Thr	Arg	Asn	Gly	Thr	Gln	Leu	Gln	Asn	Phe	Thr
			820					825					830		
Leu	Asp	Arg	Ser	Ser	Val	Leu	Val	Asp	Gly	Tyr	Phe	Pro	Asn	Arg	Asn
		835					840					845			
Glu	Pro	Leu	Thr	Gly	Asn	Ser	Asp	Leu	Pro	Phe	Trp	Ala	Val	Ile	Leu
	850					855					860				
Ile	Gly	Leu	Ala	Gly	Leu	Leu	Gly	Leu	Ile	Thr	Cys	Leu	Ile	Cys	Gly
865					870					875					880
Val	Leu	Val	Thr	Thr	Arg	Arg	Arg	Lys	Lys	Glu	Gly	Glu	Tyr	Asn	Val
				885					890					895	
Gln	Gln	Gln	Cys	Pro	Gly	Tyr	Tyr	Gln	Ser	His	Leu	Asp	Leu	Glu	Asp
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Leu	Gln														

<210> 313
 <211> 656
 <212> DNA
 <213> Homo sapiens

<400> 313
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 tgcagtttgt ctacgactcc tcggagaaaa cccacttcaa agacgcagtc agtgctggga 180
 agcacacagc caactcgcac cacctctctg ccttggtcac ccccgctggg aagtcctatg 240
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 aagagcataa atgcccagtg gatgagcggg agcaactgga agaaaccttg cccctgattt 420
 tggggctcat cttgggcctc gtcacatcat taacactcgc gatttaccac gtccaccaca 480
 aaatgactgc caaccaggtg cagatccctc gggacagatc ccagtataag cacatgggct 540
 agaggccgtt aggcaggcac cccctattcc tgctcccca actggatcag gtagaacaac 600
 aaaagcactt ttccatcttg tacacgagat acaccaacat agctacaatc aaacag 656

<210> 314
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 314
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 gtttaaggat ggtctcgggt gttaggccca ctagaataaa ctgagtccaa tacctctaca 180
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 cattcattag ctaatgggtg cctttggtat ttattaaaat caccacagca tagggggact 360
 ttatgtttag gttttgtcta agagttagct tatctgcttc ttgtgctaac agggctattg 420
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 gataggccac tggccttgga cctcggccgc gaccacgct 519

<210> 315
 <211> 441
 <212> DNA
 <213> Homo sapiens


```

<400> 315
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cagaggcaac cagggtttat agtgctaggt aaatgtcatc tcttttgtgc tactgactca 180
ttgtcaaacg tctctgcact gttttcagcc tctccacgtt gcctctgtcc tgcttcttag 240
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atgatttaaa aattccaatg actttcgccc ttgggagaaa tttccaagga aatctctctc 360
gctcgctctc tccgttttcc tttgtgagct tctgggggag ggtagtggt gactttttga 420
tacgaaaaaa tgcattttgt g                                     441

```

```

<210> 316
<211> 247
<212> DNA
<213> Homo sapiens

```

```

<400> 316
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ccagtctagc ttggttaagaa gagagacatg cccccaacct cggcgccctt tttcctcacg 180
atctgctgtc cttacttcag cgactgcagg agcttcacct gcaagaaaac agcattgagc 240
tgctgac                                     247

```

```

<210> 317
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<400> 317
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gaatgctccc tggaggccct gtggcgagga caggcactgg atggtccaga ccctctggct 180
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```

```

<210> 318
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

```

```

<400> 318
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gtcattggtc aggaagctgt cctggacgta ggccatctcc acatccatgg ggatgccata 180
gtcactgggc ctttgctcgg gaggaggcat caccagaaa ggcgagatct tggactcggg 240
gcctgggttg ccagaatagt aaggggagca naggaggcg aggcagggtt ggaagccatt 300
gctggagccc tgcagccgca                                     320

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```

<210> 319
<211> 212
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 319

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aggggggtcct tccctggctc aggcagatgg gaagatgagg aagccgctga agacgctgtc 120
ggcctcagag ccctggtaaa tgtgaccctt tttggggtct ttttcaacc anacctggct 180
accctgctgc agacctcggc cgcgaccacg ct 212
```

<210> 320

<211> 769

<212> DNA

<213> Homo sapiens

<400> 320

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tggagggcgt ctttctccat cagcgcatac tgagcagggg tactcagatc cttcttgga 180
cctacaagga agagaagcac actggaaggg tcattctcct tcagggcatc ggccagccac 240
tgcctgccat gggaggtgga aagtaaggga tgagttagtc tgcagggccc ctcccactga 300
cattcatagg cccaattacc ccctctctgg tcctacatgc attcttctt ttcctgacca 360
cccctctgtt ctgaaccctc tcttcccggg gcctcccatt atattgcagg atgctcactt 420
acttggtatg ttccagagat gccacatcat tcaggttgaa gacaatgatg atggcttgga 480
agagtggcag aaacagcccc aggttgacag ggaagacact actgctcatt tcccacatcc 540
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gccccttacc ttgagctcct ctatagtagg ttgatgcaat gcatttgaac ctctcctgcc 660
cagcgggtatc ccaactggaa ggaaggaaga gtgaagcaca ggtatgtatc ttgggggggtg 720
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<210> 321

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(690)

<223> n = A,T,C or G

<400> 321

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gtgctgtgtg ttgctctgct acagccagtg tctcaggctg cttcaaagcc tgggaccatg 180
cagggggggt ctgtgaggtc ccaggaatc cttgtcgcat gagctgccag aacctatggac 240
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aagttaggtg cagcctgcag tgtgtgcacg gccggttccg ggaggaggag tgctcgtgcg 360
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cctgtgacct gaggatcgac ggagactgct tcatgggtgtc ttcagaggca gacacctatt 480
acagaagcca ggatgaaatg tcagaggaat ggccgggtgc tggcccagat caagagccag 540
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gacagtgact ttgagaccag gaacttctgg atngggctca cctacaagac cgccaaggac 660
tccttncgct gggccacagg ggagcaccag 690
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<210> 322
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 322
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 acgctcacat cacggacatc atggagcagg accaccacct ggtc 104

<210> 323
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 323
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 actagtgaat gaagaacgaa cactggaagt agaaatagag cctgggggtga gagacgga 118

<210> 324
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 324
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 taacggagat gatgccgaaa acgcaaggcc gaagccaaaag ccaggggatg gagagtttgt 180
 ggaagtcatt tctttaccca agaatgacct gctgcagaga cttgatgctc tggtagctga 240
 agaacatctc acagtggacg ccaggggtcta ttctacgct ctagcgctga aacatgcaaa 300
 tgcaaaagcca tttgaagtgc ccttcttgaa attttaagcc caaatatgac actg 354

<210> 325
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n = A,T,C or G

<400> 325
 ncatgcttga atgggctcct ggtgagagat tgccccctgg tgggtgaaaca atcgtgtgtg 60
 cccactgata ccaagaccaa tgaaagagac acagttaagc agcaatccat ctcatattcca 120
 ggcacttcaa taggtcgctg attggtcctt gcaccagcag tggtagtcgt acctatttca 180
 gagaggtctg aaattcaggt tcttagtttg ccagggacag gccctacctt atattttttt 240
 ccatcttcat catccacttc tgcttacagt ttgctgctta caataactta atgatggatt 300
 gagttatctg ggtgggtctc agccatctgg gcagtgtggt tctgtctaac caaagggcat 360
 tggcctcaaa ccctgcattt ggtttagggg ctaacagagc tcctcagata atcttcacac 420
 acatgtaact gctggagatc ttattctatt atgaataaga aacgagaagt ttttccaaag 480
 tgtttagtcag gatctgaagg ctgtcattca gataaccacg cttttccttt tggcttttag 540
 cccattcaga ctttgccaga gtcaagccaa ggattgcttt tttgctacag ttttctgcca 600
 aatggcctag ttcctgagta cctggaaacc agagagaaa ag 642

<210> 326
 <211> 455
 <212> DNA

<213> Homo sapiens

<400> 326

```
tccgtgagga tgagcttcga gtccttcacc aggcaactgca ggggcacagt cacgtcaatc 60
accttcacct tctcgctctt cctgctcttg tcattgacaa acttcccgtg ccaggcattg 120
acgatgatga ggcccatctt ggactcttct gcctcaatta tccttcggac agattcctgc 180
atcagccgga cagcggactc cgcctcttgc ttcttctgca gcacatcggt ggcggcgctt 240
tccctctgct tctccaattc cttctcttct tgagccctga ggtatggttt gatgatcaga 300
cgggtgcatg caaagtagac cactagaggc cccacggtgg catagaacat ggcgctgggc 360
agaagctggt ccgtcaagtg aatagggaag aagtatgtct gactggccct gttgagcttg 420
actttgagag aaacgccctg tggaaactca acgct 455
```

<210> 327

<211> 321

<212> DNA

<213> Homo sapiens

<400> 327

```
ttcactgtga actcgcagtc ctcgatgaac tcgcacagat gtgacagccc tgtctccttg 60
ctctctgagt tctcttcaat gatgctgatg atgcagtcca cgatagcgcg cttataactca 120
aagccaccct cttcccgcag catggtgaac aggaagttca taaggacggc gtgtttgcga 180
ggatatttct gacacagggc actgatggcc tggacaacca ccaccttgaa ttcattccgag 240
atttctgaca tgaaggagga gatctgcttc atgaggcggt cgatgctgct ctcgctgccc 300
gtcttaagga ggggtggtgat g 321
```

<210> 328

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(476)

<223> n = A,T,C or G

<400> 328

```
tgcaggaggg gccatggggg ctgtgaatgg gatgcagccc catggtgtcc ctgataaatc 60
cagtgtgcag tctgatgaag tctgggtggg tgtggtctac gggctggcag ctaccatgat 120
ccaagaggta atgcactcct tttcccatct ctccaccatc tgtatcctgg ccmagaaaaa 180
cttcccttca aaccaaccaa aatttccttt caaaggcata acccaaatgc catccttggg 240
ccggtctaataaagcctccc ccatttttcc cctgggtatgc attcccaggc tccctggcct 300
tncagggtct nctgtctgtg ggtcatagtt tatctcctcc cacttgctgg gagctccttg 360
aaggcaaaga ctctactgcc tccatctatc cagtgggaagt ggctcttcag agggtgccaa 420
gttagtatgt atgactgtca tctctcccaa cagggcctga cttggsaggg cttcca 476
```

<210> 329

<211> 340

<212> DNA

<213> Homo sapiens

<400> 329

```
cgagggagat tgccagcacc ctgatggaga gtgagatgat ggagatcttg tcagtgctag 60
ctaagggtga ccacagccct gtcacaaggg ctgctgcagc ctgcctggac aaagcagtgg 120
aatatgggct tatccaaccc aaccaagatg gagagtgagg gggttgtccc tgggccaag 180
gctcatgcac acgctaccta ttgtggcacg gagagtaagg acggaagcag ctttggctgg 240
tgggtggctgg catgcccatt actcttgccc atcctcgctt gctgccctag gatgtcctct 300
gttctgagtc agcggccacg ttcagtcaca cagccctgct 340
```

<210> 330
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 330
 tgtcaccatc acattggtgc caaataccca gaagacatcg tagatgaaga gtccgcccag 60
 caggatgcag ccagtgtctga cattgttgag gtgcaggagc tctactccat taaggagagaa 120
 ggccaggcca aaaaggttgt tggcaatcca gtgcttcctc agcaggtacc agacgccaac 180
 gatgctgtctc aggccagggc acaccagggtc cttggtgtca aattcataat tgatgatctc 240
 ctccttgttt tcccagaacc ctgtgtgaag agcagac 277

<210> 331
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 331
 ttgcttccca cctcctttct ctgtcctctc ctgagggttct gccttacaat ggggacactg 60
 atacaaacca cacacacaat gaggatgaaa acagataaca ggtaaaatga cctcacctgc 120
 ccgggcggcc gctcga 136

<210> 332
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 332
 ttgtgagata aacgcagata ctgcaatgca ttaaaacgct tgaaatactc atcagggatg 60
 ttgctgatct tattgttgct taagtagaga gttagaagag agacagggag accagaaggc 120
 agtctggcta tctgattgaa gctcaagtca aggtattcga gtgatttaag acctttaaaa 180
 gcag 184

<210> 333
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 333
 cgaaaaactt cgaggaattg ctcaaagtgc tgggggtgaa tgtgatgctg aggaagattg 60
 ctgtggctgc agcgtccaag ccagcagtgg agatcaaaca ggagggagac actttctaca 120
 tcaaaacctc caccaccgtg cgcaccacag agattaactt caaggttggg gaggagtgtg 180
 aggagcagac tgtggatggg aggccctgta agagcctggg gaaatgggag agtgagaata 240
 aaatggtctg tgagcagaag ctccctgaagg gagagggccc caagacctcg tggaccagag 300
 aactgaccaa cgatggggaa ctgatcctga ccatgacggc ggatgacggt gtgtgcacca 360
 gggctctacgt ccgagagtga gcgg 384

<210> 334
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(169)
 <223> n = A,T,C or G

```

<400> 334
cnacaaacag agcagacacc ctggatccgg tcctgctact gccaggacg gctggaccgt 60
aaaattgaat ttccacttcc tgaccgccgc cagaagagat tgattttctc cactatcact 120
agcaagatga acctctctga ggaggttgac ttggaagact atgtngccc 169

```

```

<210> 335
<211> 185
<212> DNA
<213> Homo sapiens

```

```

<400> 335
ccaggtttgc agcccaggct gcacatcagg ggactgcctc gcaatacttc atgctgttgc 60
tgctgactga tgggtgctgtg acggatgtgg aagccacacg tgaggctgtg gtgcgtgcct 120
cgaacctgcc catgtcagtg atcattgtgg gtgtgggtgg tgctgacttt gaggccatgg 180
agcag 185

```

```

<210> 336
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

```

```

<400> 336
ctgcccctgc cttacggcgg ccaganacac acccaggatg gcattggccc caaacttggg 60
tttgttctca gtcccatcca actccagcat caggttgtcc agtttctctt gctccaccac 120
agagagacct gagctgatga gggctggcgc gatggtggag ttgatgtggt ccaactgcctt 180
caggacacct ttgcctaagt aacgctgttt gtctccatcc ctgagctcca gggcctcata 240
gatgcccgta gaggctccac tgggcactgc agcccggaag agacctttgg cagtatagag 300
atccacctcc actgtggggg tcccgcggga gtccaggatc tcccggggccc agatcttc 358

```

```

<210> 337
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

```

```

<400> 337
cacaaagcca ccagccnggg aaatcagaat ttacttgatg caactgactt gtaatagcca 60
gaaatcctgc ccagcatggg attcagaacc tggctctgcaa ccaaattccac cgtcaaagtt 120
catacaggat aaaacaaatt caattgcctt ttccacatta atagcatcaa gcttcccca 180
caaagccaaa gttgccaccg cacaaaaaga gaatcttggt tcaatttctc cctactttat 240
aaaagtagat ttttcacatc ccatgaagca g 271

```

```

<210> 338
<211> 326
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(326)
 <223> n = A,T,C or G

<400> 338
 ctgtgctccc gactngnnca tctcaggtac caccgactgc actgggcggg gccctctggg 60
 gggaaaggct ccacggggca gggatacatc tcgaggccag tcatcctctg gaggcagccc 120
 aatcaggtca aagattttgc ccaactggtc ggcttcagag tttccacaga agagaggctt 180
 tcgacgaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240
 tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300
 tgccatctgg tagctgtaga ttctgg 326

<210> 339
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 339
 ttcacctgag gactcatttc gtgccctttg ttgacttcaa gcaaagncct tcanggtctn 60
 caaggacgnc acattttccac ttgcgaatgn notcanggt catcttgaag aanaagnanc 120
 ccaagtgtcg gatcccagac tcgggggtaa ccttgtgggt aagagctcat ccagtttatg 180
 ctttaggacg tccanctact cgggggagct ggaagcctgc gtggatgcgg ccctgctgga 240
 cctcggccgc gaccacgcta 260

<210> 340
 <211> 220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n = A,T,C or G

<400> 340
 ctggaagccc ggctnggnct ggcagcggaa ggagccaggc aggttcacgc agcgggtgctg 60
 gcagtagcgg tagcggcact cgtctatgtc cacacactcg ggcccgatct tgcggtaacc 120
 atcagggcag gtgcactgat aggagccagg caagttatgg cagtectggc tggggcgaca 180
 gtcgtgcagg gcctgggcac actcgtccac atccacacag 220

<210> 341
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 341
 ctgctaccag gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60
 gatggagctt cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacaccg 120
 ggcgtcacca gtggcccgtc tgccctcagga actcctccga gtgagggagg agggggctcc 180
 tttcccagga tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240
 cccgttggtc tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggt 300

ggcaattata tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360
aagtgccact ggtttaccag acag 384

<210> 342
<211> 245
<212> DNA
<213> Homo sapiens

<400> 342
ctggctaagc tcatcattgt tactgggtggg caccatgtcc ttgaagcttc aggcaagcaa 60
tgtaaccaac aagaatgacc ccaagtccat caactctcga gtcttcattg gaaacctcaa 120
cacagctctg gtgaagaaat cagatgtgga gaccatcttc tctaagtatg gccgtgtggc 180
cggctgttct gtgcacaagg gctatgcctt tgttcagtag tccaatgagc gccatgcccg 240
ggcag 245

<210> 343
<211> 611
<212> DNA
<213> Homo sapiens

<400> 343
ccaaaaaaat caagatttaa ttttttttatt tgcactgaaa aactaatcat aactgttaat 60
tctcagccat ctttgaagct tgaaagaaga gtctttggta ttttgtaaac gtttagcagac 120
tttcctgccca gtgtcagaaa atcctattta tgaatcctgt cgggtattcct tggatatctga 180
aaaaaatacc aaatagtacc atacatgagt tattttctaag tttgaaaaat aaaaagaaat 240
tgcacacac taattacaaa atacaagttc tggaaaaaat atttttcttc attttaaaac 300
tttttttaac taataatggc tttgaaagaa gaggtctaat ttgggggtgg taactaaaat 360
caaaagaaat gattgacttg aggggtctctg tttggtaaga atacatcatt agcttaaata 420
agcagcagaa ggttagtttt aattatgtag cttctgttaa tattaagtgt tttttgtctg 480
ttttacctca atttgaacag ataagtttgc ctgcatgctg gacatgcctc agaaccatga 540
atagcccgtc ctagatcttg ggaacatgga tottagagtc ctttggaata agttcttata 600
taaatacccc c 611

<210> 344
<211> 311
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

<400> 344
nctcgaaaaa gcccaagaca gcagaagcag acacctccag tgaactagca aagaaaagca 60
aagaagtatt cagaaaagag atgtcccagt tcatcgcca gtgcctgaac ccttaccgga 120
aacctgactg caaagtggga agaattacca caactgaaga ctttaaacad ctggctcgca 180
agctgactca cgggtgttatg aataaggagc tgaagtactg taagaatcct gaggacctgg 240
agtgcaatga gaatgtgaaa cacaaaacca aggantacat taanaagtag atgcannan 300
tttggggcctt g 311

<210> 345
<211> 201
<212> DNA
<213> Homo sapiens

<400> 345


```

cacacgggtca tccccgactgc caacctggag gccaggcccc tgtggaagga gccgggcagc 60
aatgtcacca tgagtgtgga tgctgagtgt gtgcccatgg tcagggaacct tctcaggtac 120
ttctactccc gaaggattga catcacctg tcgtcagtca agtgcttcca caagctggcc 180
tctgcctatg gggccaggca g                                     201

```

```

<210> 346
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<400> 346
ctgctccagg gcggtggtgtg ccttcgtggc ctctgcctcc tccgaggagc caggctgtgt 60
tctcttcaga atgttctgga gcagcagttt gaggcgggtg atgcgttgga agggcagaat 120
cagaaaggac ttgagggaaa ggcgctggca gacggggtcg ctctccagct tctccaagac 180
ctcccggaaa ttgctgttgc tattcatcag gctctggaag gtgcgttcct gataggtctg 240
gttggtgaca taaggcaggt agaccggcg gaagtctggg gcgtggttca ggactacgtc 300
acatacttgg aaggagaaga tattgttctc aaagtctctc tccaggtctg aaaggaacgt 360
ggcgctgacg                                     370

```

```

<210> 347
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 347
ctgttgtgct gtgtatggac gtgggcttta ccatgagtaa ctccattcct ggtatagaat 60
ccccatttga acaagcaaag aaggtgataa ccatgtttgt acagcgacag gtgtttgctg 120
agaacaagga tgagattgct ttagtcctgt ttggtacaga tggcactgac aatccccctt 180
ctggtgggga tcagtatcag aacatcacag tgcacagaca tctgatgcta ccagattttg 240
atttgctgga ggacattgaa agcaaaatcc aaccaggttc tcaacaggct gacttcctgg 300
atgcactaat cgtgagcatg gatgtgattc aacatgaaac aataggaaaag aagtttggag 360
aagaggcata ttgaaatatt cactgacctc aagcagcccc attcagcaaa agtcan 416

```

```

<210> 348
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 348
gtacaggaga ggatggcagg tgcagagcgg gcactgagct ctgcagggtga aagggctcgg 60
cagttggatg ctctcctgga ggctctgaaa ttgaaacggg caggaaatag tctggcagcc 120
tctacagcag aagaaacggc aggcagtgcc cagggacgag caggagacag atgccttcct 180
cttgtctcaa ctgcaaagag gcgttccttc ctctttcact aatcctcctc agcacagacc 240
ctttacgggt gtcaggctgg gggacagtaa ggtctttccc ttcccacaag gccatatctc 300
aggctgtctc agtgggggga aaccttggac aataccggg ctttcttggg c 351

```

```

<210> 349
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(207)
 <223> n = A,T,C or G

<400> 349
 nccgggacat ctccaccctc aacagtggca agaagagcct ggagactgaa cacaaggcct 60
 tgaccagtga gattgcactg ctgcagtgca ggctgaagac agagggctct gatctgtgcg 120
 acagagtga cgaaatgcag aagctggatg cacaggtcaa ggagctggtg ctgaagtcgg 180
 cggtggaggc tgagcgcctg gtggctg 207

<210> 350
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 350
 ccatacaggg ctgttgccca ggcctagag gtcattcctc gtaccctgat ccagaactgt 60
 ggggccagca ccatccgtct acttacctcc cttcggggcca agcacacca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacgaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctctgatgc tgg 323

<210> 351
 <211> 353
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(353)
 <223> n = A,T,C or G

<400> 351
 cgccgcatcc cntggtcctt tccantccct tttcctttnt cngggaacgt gtatgcggtt 60
 tgtttttgtt ttgtagggtt tttttccttc tccacctctc cctgtctctt ttgctccatg 120
 ttgtccggtt ctgtgggggtt aggtttatgt ttttaatcat ctgaggtcac gtctatttcc 180
 tccggactcg cctgcttggt ggcgattctc caccgggttaa tatggtgcgt cccttttttc 240
 ttttggtgcg aatctgagcc ttcttcctcc agcttctgcc ttttgaactt tgttcttcgg 300
 ttctgaaacc atacttttac ctgagtttcc gtgaggctga ggctgtgtgc caa 353

<210> 352
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 352
 ctgccacac tgatcacttg cgagatgtcc ttaggggtaca agaacaggaa ttgaagtctg 60
 aatttgagca gaacctgtct gagaaactct ctgaacaaga attacaattt cgtcgtctca 120
 gtcaagagca agttgacaac tttactctgg atataaatac tgcttatgcc agactcagag 180
 gaatcgaaca ggctgttcag agccatgcag ttgctgaaga ggaagccaga aaagcccacc 240
 aactctggct ttcagtggag gcattaaagt acagcatgaa gacctcatct gcagaaacac 300
 ctactatccc gctgggtagt gcagttgagg ccatcaaagc caactgttct gataatgaat 360
 tcaccaagc tttaaccgca gctatccctc cagagtcctt gacccgtggg gtgtacagtg 420
 aagagaccct tagagcccgt ttctatgctg ttcaaaaact ggcccga 467

<210> 353

<211> 350
 <212> DNA
 <213> Homo sapiens

<400> 353
 ctgctgcagc cacagtagtt cctcccatgg tgggtggccc tcttggtcct gctggcccag 60
 gaaatctgtc cccaccagga acagcccctg gaaaacggcc ccgtcctcta ccaccttggt 120
 gaaatgctgc acgggaactg cctcctggag gaccagcttt accttcccca gacatttgtc 180
 ctgattgtgt agttttcctg gactgcattt caaattgact caggaactgt ttattgcatg 240
 gagttacaac aggattctga ccatgaagtt ctcttttagg taacagatcc attaaacttt 300
 ttgaagatgc ttcagatcca acaccaacaa gggcaaacc ctttgactgg 350

<210> 354
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 354
 atttagatga gatctgaggc atggagacat ggagacagta tacagactcc tagatttaag 60
 ttttaggttt ttgtcttttc taatcaccaa ttcttatata caatgtatat tttagactcg 120
 agcagatgat catcttcac c ttaagtcatt ccttttgact gagtatggca ggattagagg 180
 gaatggcagt atagatcaat gtctttttct gtaaagtata ggaaaaacca gagaggaaaa 240
 aaagagctga caattggaag gtagtagaaa attgacgata atttcttctt aacaaataat 300
 agttgtatat acaaggaggc tagtcaacca gattttattt gttgagggcg a 351

<210> 355
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 355
 ttttggcgca agttttacag attttattaa agtcgaagct attggtcttg gaagatgaaa 60
 atgcaaatgt tgatgaggtg gaattgaagc cagatacctt aataaaaatta tatcttggtt 120
 ataaaaataa gaaattaagg gttaacatca atgtgccaat gaaaaccgaa cagaagcagg 180
 aacaagaaac cacacacaaa aacatcgagg aagaccgcaa actactgatt caggcggcca 240
 tcgtgagaat catgaagatg aggaaggttc tgaaacacca gcagttactt ggcgaggtcc 300
 tcaactcag 308

<210> 356
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 356
 ctgtcccaag tgctcccaga aggcaggatt ctgaagacca ctccagcgat atgttcaact 60
 atgaagaata ctgcaccgcc aacgcagtc ctgggccttg ccgtgcatcc ttcccacgct 120
 ggtactttga cgtggagagg aactcctgca ataacttcat ctatggaggc tgccggggca 180
 ataagaacag ctaccgctct gaggagg 207

<210> 357
 <211> 188
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(188)

<223> n = A,T,C or G

<400> 357

```
tcgaccacgc cctcgtagcg catgngctnc aggacgatgc tcagagtgat gaacaccccg 60
gtgcggccca cgccagcact gcagtgcacc gtgataggcc catcctgtcc aaactgctcc 120
ttggtcttat gcacctgccc gatgaagtca atgaatccct cgctgtctt gggcacgccc 180
tgctctgg                                     188
```

<210> 358

<211> 291

<212> DNA

<213> Homo sapiens

<400> 358

```
ctgggagcat cggcaagcta ctgccttaaa atccgatctc cccgagtgca caatttctgt 60
cccttttaag ggttcacaac actaaagatt tcacatgaaa gggttgtgat tgatttgagc 120
aggcaggcgg tacgtgacag gggctgcatg caccggtggt cagagagaaa cagaacaggg 180
caggggaattt cacaatgttc ttctatacaa tggctggaat ctatgaataa catcagtttc 240
taagttatgg gttgattttt aactactggg tttaggccag gcaggcccag g          291
```

<210> 359

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(117)

<223> n = A,T,C or G

<400> 359

```
gccaccacac tccagcctgg gcaatacagc aagactgtct caaaaaaaaaa aaaaaaaaaa 60
cccaaaaaaaaa ctcaaaaang taatgaatga tacccaangn gccttttcta gaaaaag    117
```

<210> 360

<211> 394

<212> DNA

<213> Homo sapiens

<400> 360

```
ctgttcctct ggggtggtcc agttctagag tgggagaaaag ggagtcaggc gcattgggaa 60
tcgtggttcc agtctggttg cagaatctgc acatttgcca agaaattttc cctgtttgga 120
aagtttgccc cagctttccc gggcacacca ctttttgtcc caagtgtctg ccggtcgacc 180
aatctgcctg ccacacattg accaagccag acccggttca cccagctcga ggatcccagg 240
ttgaagagtg gcccttgag gccctggaaa gaccaatcac tggacttctt cccttgagag 300
tcagaggtca cccgtgattc tgccctgcacc ttatcattga tctgcagtga tttctgcaaa 360
tcaagagaaa ctctgcaggg cactcccctg tttc          394
```

<210> 361

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 361
 ctgggcggat agcaccgggc atattttntt natggatgag gtctggcacc ctgagcagtc 60
 cagcgaggac ttggtcttag ttgagcaatt tggctaggag gatagtatgc agcacgggtc 120
 tgagtctgtg ggatagctgc catgaagtaa cctgaaggag gtgctggctg gtaggggttg 180
 attacagggt tgggaacagc tcgtacactt gccattctct gcatatactg gttagtgagg 240
 tgagcctggc gctcttcttt gcgctgagct aaagctacat acaatggctt tgtggacctc 300
 ggccgcgacc acgctaagcc gaattccagc aactggcgcg ccgttactag tggatccgag 360
 ctcggtacca agcttggcgt aatcatgggc atag 394

<210> 362
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 362
 ctgcgcgtgg accagtcagc ttccgggtgt gactggagca gggcttgtcg tcttcttcag 60
 agtcactttg caggggttgg tgaagctgct cccatccatg tacagctccc agtctactga 120
 tgtttaagga tggctcctgg gttagggccc actagaataa actgagtcca atacctctac 180
 acagttatgt ttaactgggc tctctgacac cgggaggaag gtggcggggg ttaggtgttg 240
 caaacttcaa tggttatgcg gggatggt 268

<210> 363
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 363
 ccttgacctt ttcagcaagt ggggaagggt aatccgtctc cacagacaag gccaggactc 60
 gtttgatccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
 gacagacact ggcaacattg cggacaccct ccaggaagcg agaatgcaga gtttcctctg 180
 tgatatcaag cacttcaggg ttgtagatgc tgccattgtc gaacacctgc tggatgacca 240
 gcccaaagga gaagggggag atgttgagca tgttcagcag cgtggcttcg ctggctccca 300
 ctttgtctcc agtcttgatc aga 323

<210> 364
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 364
 ccaagctctc catcgtcccc gtgcgcagng gctactgggg gaacaagatc ggcaagcccc 60
 acactgtccc ttgcaagggt acaggccgct gcggctctgt gctggtacgc ctcatcactg 120
 caccagggg cactggcatc gtctccgcac ctgtgcctaa gaagctgctc atgatggctg 180
 gcatcgatga ctgctacacc tcagcccggg gctgcaactg caccctgggc aacttcgcca 240
 aggccacctt tgatgccatt tctaagacct acagctacct gacccccgac ctctggaagg 300
 agactgtatt caccaagtct ccctatcagg agttcactga ccacctcgct aagaccaca 360
 ccagagtctc cgtgcagcgg actcaggctc cag 393

<210> 365
 <211> 371
 <212> DNA

<213> Homo sapiens

<400> 365

```
cctcctcaga gcggtagctg ttcttattgc cccggcagcc tccatagatg aagttattgc 60
aggagttcct ctccacgtca aagtaccage gtgggaagga tgcacggcaa ggcccagtga 120
ctgcggtggc ggtgcagtat tcttcatagt tgaacatata gctggagtgg tcttcagaat 180
cctgccttct gggagcactt gggacagagg aatccgctgc attcctgctg gtggacctcg 240
gccgcgacca cgctaagccg aattccagca cactggcggc cgttactagt ggatccgagc 300
tcggtaccaa gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg 360
ctcacaattc c                                     371
```

<210> 366

<211> 393

<212> DNA

<213> Homo sapiens

<400> 366

```
atttcttgcc agatgggagc tctttggtga agactccttt cgggaaaagt tttttggctt 60
cttcttcagg gatggttgga aggaccatca cactatcccc atccttccaa tcaactgggg 120
tggcaaccct tttttctgct gtcagctgga gagagatgac taccctgaga atctcatcaa 180
agtctctgcc agtggttagct gggtagagga tagacagctt cagcttctta tcaggaccaa 240
aaacaaacac cacacgagct gccacaggca tgcccttttc atccttctct gctggatcca 300
gcatgcccaa caggatggca agctcccgat tcctatcatc gatgatggga aaaggtaact 360
tttctgtggg ctcttcacaa ttgtaagcat tga                                     393
```

<210> 367

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(327)

<223> n = A,T,C or G

<400> 367

```
ccagctctgt ctcatacttg actctaaagt cttnagcagc aagacgggca ttgnnaatct 60
gcagaacgat gcgggcattg tccacagtat ttgcgaagat ctgagccctc aggtcctoga 120
tgatcttgaa gtaatggctc cagtctctga cctgggggtcc cttcttctcc aagtgctccc 180
ggattttgct ctccagcctc cggttctcgg tctccaggct cctcactctg tccaggtaag 240
aggccaggcg gtcgttcagg ctttgcatgg tctccttctc gttctggatg cctcccatc 300
ctgccagacc cccggctatc ccggtgg                                     327
```

<210> 368

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(306)

<223> n = A,T,C or G

<400> 368

```
ctggagaagg acttcagcag tttnaagaag tactgccaag tcatccgtgt cattgcccac 60
accagatgc gctgtcttc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120
aacggaggca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180
```

```

cctgtgaacc aagtgttttg gcaggatgag atgatcgacg tcatcggggg gaccaagggc 240
aaaggctaca aaggggtcac cagtcgttgg cacaccaaga agctgccccg caagacccac 300
cgagga                                           306

```

```

<210> 369
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 369
tcgaccacac ccggaacacg gagagctggg ccagcattgg cacttgatag gatttcccgt 60
cggctgccac gaaagtgcgt ttctttgtgt tctcgggttg gaaccgtgat ttccacagac 120
ccttgaaata cactgcgttg acgaggacca gtctgggtgag cacaccatca ataagatctg 180
gggacagcag attgtcaatc atatccctgg ttctattttt aacccatgca ttgatggaat 240
cacaggcaga ggctggatcc tcaaagttca cattccggac ctcaactgg aacacatctt 300
tgttccttgt aacaaaaggc acttcaattt cagaggcatt cttaacaaac acggcgttag 360
ccactgtcac aatgtcttta ttcttcttgg agac                                           394

```

```

<210> 370
<211> 653
<212> DNA
<213> Homo sapiens

```

```

<400> 370
ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtggtcctt cggccccgcc 120
ctgggtgtcac agaggtact attactggcc tggaaacggg aaccgaatat acaatttatg 180
tcattgccct gaagaataat cagaagagcg agcccctgat tggaaaggaaa aagacagacg 240
agcttcccca actggttaacc cttccacacc ccaatcttca tggaccagag atcttggatg 300
ttccttccac agttcaaaaag acccctttcg tcacccaccc tgggtatgac actggaaatg 360
gtattcagct tcttggcact tctggtcagc aaccacagtgt tgggcaacaa atgatctttg 420
aggaacatgg ttttaggcgg accacaccgc ccacaacggc ccccccata aggcataaggc 480
caagaccata ccgcccgaat gtaggacaag aagctctctc tcagacaacc atctcatggg 540
ccccattcca ggacacttct gagtacatca tttcatgtca tcctgttggc actgatgaag 600
aacccttaca gttcagggtt cctggaactt ctaccagtgc cactctgaca gga                                           653

```

```

<210> 371
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<400> 371
ctgcccagcc cccattggcg agtttgagaa ggtgtgcagc aatgacaaca agaccttcga 60
ctcttcctgc cacttctttg ccacaaagtg caccctggag ggcaccaaga agggccacaa 120
gctccacctg gactacatcg ggccttgcaa atacatcccc ccttgccctgg actctgagct 180
gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtccctggta ccctgtatga 240
gagggatgag gacaacaacc ttctgact

```

```

<210> 372
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 372
gctgggtgcc ctggtgaacg tggacctcct ggattggcag gggccccagg acttagaggt 60
ggaactggtc cccctgggtc cgaaggagga aaggggtgctg ctggctcctc tggggccacct 120
ggtgctgctg gtactcctgg tctgcaagga atgcctggag aaagaggagg tcttggaagt 180

```

```

cctggtccaa aggggtgacaa ggggtgaacca ggcgggtccag gtgctgatgg tgtcccaggg 240
aaagatggcc caaggggtcc tactgggtcct attgggtcctc ctggcccagc tggccagcct 300
ggagataagg gtgaagggtg tgcccccgga cttccaggta tagctggacc tcgtggtagc 360
cctggtgaga gaggtgaaac ctccggccgcg ac 392

```

```

<210> 373
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

```

```

<400> 373
ccaagcgctc agatcggcaa ggggcaccan ttttgatctg cccagtgcac agccccacaa 60
ccaggtcagc gatgaaggta tcttcagtcct cccccgaacg atgagacacc atgacgcccc 120
aaccattggc ctgggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggg 180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttggcg atcctctttg 240
ggtttggtcac tgtgagatca tccccacta cctggattcc tgcactggct gtgaacttct 300
gccaagctcc ccagtcctcc tgggtcaaagg gatcttcgat agacaccact gggtagtcct 360
tgatgaagga cttgtacagg tcagccag 388

```

```

<210> 374
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<400> 374
ctgacgaccg cgtgaacccc tgcattgggg gtgtcatcct cttccatgag acactotacc 60
agaaggcgga tgatgggcgt cccttccccc aagttatcaa atccaagggc ggtgttgtgg 120
gcatcaaggc agacaagggc gtgggtccccc tggcagggac aaatggcgag actaccaccc 180
aagggttgga tgggctgtct gagcgctgtg cccagtacaa gaaggacgga gctgacttcg 240
ccaagtggcg ttgtgtgctg aagattgggg aacacacccc ctcagccctc gccatcatgg 300
aaaatgccaa tgttctggcc cgttatgcca gtatctgcca gcagaatggc attgtgcccc 360
tcgtggagcc tgagatcctc cctgatgggg acc 393

```

```

<210> 375
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

```

```

<400> 375
ccacaaatgg cgtggtccat gtcatcaccn ttnttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacaa gcatoagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagcccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacagg aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagag 360
agatgtactt tttaaatcat gttcccccta aaca 394

```


<210> 376
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 376
 ctgcccagcc cccattggcg agtttgattn ggtgtgcagc aatgacaaca agaccttcga 60
 ctcttcctgc cacttccttg ccacaaagtg caccctggag ggcaccaaga agggccacaa 120
 gctccacctg gactacatcg ggccttgcaa atacatcccc ccttgccctg actctgagct 180
 gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtccctggta ccctgtatga 240
 gagggatgag gacaacaacc ttctgactga gaagcagaag ctgcgggtga agaagatcca 300
 tgagaatgag aagcgcttg aggcaggaga ccaccccggt gagctgctgg ccggggactt 360
 cgagaagaac tataacatgt acatcttccc tg 392

<210> 377
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 377
 caatgtttga tgcttaaccc ccccaatttc tgtgagatgg atggccagtg caagcgtgac 60
 ttgaagtgtt gcatgggcat gtgtgggaaa tcctgctgtt cccctgtgaa agcttgattc 120
 ctgccatatg gaggaggctc tggagtcctg ctctgtgtgg tccaggtcct ttccaccctg 180
 agacttggtc ccaccactga taccctcctt tggggaaaagg cttggcacac agcaggcttt 240
 caagaagtgc cagttgatca atgaataaat aaacgagcct atttctcttt gc 292

<210> 378
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 378
 ctgctgcttc agcgaagggt ttctggcata tccaatgata aggctgcca agactgttcc 60
 aataccagca ccagaaccag ccactcctac tgttgcagca cctgcacca taaatttggc 120
 agcagtatca atgtctctgc tgattgcact ggtctgaaac tcccttttga ttagctgaga 180
 cacaccattc tgggcccctga ttttcttaag atagaactcc aactctttgc cctctagcac 240
 atagccatct gctcggccac actgtcccgg ccttgaagcg atgcacgcaa gaagcttgcc 300
 ctgctggaac tgctcctcca ggagactgct gattttggca ttctttttcc ttcatcata 360
 tttcttctga attttttaga tcgttttttg ttttaa 395

<210> 379
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 379
 ccagatgaaa tgctgccgca atggctgtgg gaaggtgtcc tgtgtcactc ccaatttctg 60
 agctccagcc accaccaggc tgagcagtga ggagagaaag tttctgcttg gccctgcac 120
 tggttccagc ccacctgcc tccctttttt cgggactctg tattccctct tgggctgacc 180
 acagcttctc cctttcccaa ccaataaagt aaccactttc agc 223

<210> 380

```
<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G
```

<400>	380						
tcgaccacag	tattccaacc	ctcctgtgcn	tngagaagtg	atggagggtg	ctgacaacca	60	
gggtgcagga	gaacaaggta	gaccagtga	gcagaatatg	tatcggggat	atagaccacg	120	
attccgcagg	ggccctcctc	gccaaagaca	gcctagagag	gacggcaatg	aagaagataa	180	
agaaaatcaa	ggagatgaga	cccaagggtc	gcagccacct	caacgtcggg	accgccgcaa	240	
cttcaattac	cgacgcagac	gcccagaaaa	ccctaaacca	caagatggca	aagagacaaa	300	
agcaqccqat	ccaccag					317	

```
<210> 381
<211> 392
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(392)  
<223> n = A,T,C or G
```

```
<400> 381
cctgaaggaa gagctggcct acctgaatnn naaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccatctctgc 120
caagatcctg agtgacatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tgggtcacca gccggactga agaattgaac cgggaggtcg ctggccacac 240
ggagcagctc cagatgagca ggtccgaggt tactgacctg cggcgacccc ttcagggtct 300
tgagattgag ctgcagtcac agacctcggc cgcgaccacg ctaagccgaa ttccagcaca 360
ctggcggccg ttactagtgg atccgagctc gg                                     392
```

```
<210> 382
<211> 234
<212> DNA
<213> Homo sapiens
```

```
<400> 382
cctcgatgtc taaatgagcg tggtaaagga tgggtgctgc tgggggtctcg tagataacctc 60
gggacttcat tccaatgaag cggttctcca cgatgtcaat acggcccacg ccatgcttgc 120
ccgcgacttc gttcaggtac atgaagagct ccaaggaggt ctgggtgggtg gtgccatcct 180
tgacgtttggt caccttcaca gggaccctt ttttgaactc catctccaga atgt 234
```

```
<210> 383
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 383
 ccttgacctt ttcagcaagt gggaaggtgt tttccgtctc cacagacaag gccaggactc 60
 gtttgnaccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
 gacagacact ggcaacattg cggacaccca ggatttcaat ggtgcccctg gagatttttag 180
 tggtgatacc taaagcctgg aaaaaggagg tcttctcggg cccgagacca gtgttctggg 240
 ctggcacagt gacttcacat ggggcaatgg caccagcacg ggcagcagac ctgcccgggc 300
 ggccgctcga aagccgaatt ccagcacact ggcgccggtt actagtggat ccgagctcgg 360
 taccaagctt ggcgtaatca tggtcatagc tgtttc 396

<210> 384
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 384
 gctgaatagg cacagagggc acctgtacac cttcagacca gtctgcaacc tcaggctgag 60
 tagcagtga ctcaggagcg ggagcagtc attcaccctg aaattcctcc ttgggtcactg 120
 ccttctcagc agcagcctgc tcttcttttt caatctcttc aggatctctg tagaagtaca 180
 gatcaggcat gacctcccat ggggtgttcac gggaaatggg gccacgcatg cgcagaactt 240
 cccgagccag catccaccac atcaaaccce ctgagtgagc tcccttggtg ttgcatggga 300
 tggcaatgtc cacatagcgc agaggagaat ctgtgttaca cagcgcaatg gtaggttaggt 360
 taacataaga tgcctccgtg agaggctggg ggtcag 396

<210> 385
 <211> 2943
 <212> DNA
 <213> Homo sapiens

<400> 385
 cagccaccgg agtggatgcc atctgcaccc accgccctga cccacagggc cctgggctgg 60
 acagagagca gctgtatttg gagctgagcc agctgaccca cagcatcact gagctggggc 120
 cctacaccct ggacagggac agtctctatg tcaatgggtt cacacagcgg agctctgtgc 180
 ccaccactag cattcctggg acccccacag tggacctggg aacatctggg actccagttt 240
 ctaaacctgg tccctcgget gccagccctc tccctgggtg attcactctc aacttcacca 300
 tcaccaacct gcggtatgag gagaacatgc agcaccctgg ctccaggaag ttcaacacca 360
 cggagagggg ccttcagggc ctgggtccctg ttcaagagca ccagtgttg cctctgttac 420
 tctggctgca gactgacttt gctcaggcct gaaaaggatg ggacagccac tggagtggat 480
 gccatctgca cccaccaccc tgaccccaaa agccctaggg tggacagaga gcagctgtat 540
 tgggagctga gccagctgac ccacaatatc actgagctgg gccctatgc cctggacaac 600
 gacagcctct ttgtcaatgg tttcactcat cggagctctg tgtccaccac cagcactcct 660
 gggaccccca cagtgtatct gggagcatct aagactccag cctcgatatt tggcccttca 720
 gctgccagcc atctcctgat actattcacc ctcaacttca ccatcactaa cctgcggtat 780
 gaggagaaca tgtggcctgg ctccaggaag ttcaacacta cagagagggg ccttcagggc 840
 ctgctaaggc ccttgttcaa gaacaccagt gttggccctc tgtactctgg ctgcaggctg 900
 acctgtctca ggccagagaa agatggggaa gccaccggag tggatgccat ctgcaccac 960
 cgccctgacc ccacaggccc tgggctggac agagagcagc tgtatttgga gctgagccag 1020
 ctgaccaca gcatcactga gctgggccc tacacactgg acagggacag tctctatgtc 1080
 aatggtttca cccatcggag ctctgtaccc accaccagca ccgggggtgg cagcgaggag 1140
 ccattcacac tgaacttcac catcaacaac ctgcgctaca tggcgacat gggccaacc 1200
 ggctccctca agttcaacat cacagacaac gtcattgaag acctgctcag tcccttggtc 1260
 cagaggagca gcttgggtgc acggtacaca ggctgcaggg tcatcgact aaggtctgtg 1320
 aagaacggtg ctgagacag ggtggacctc ctctgcacct acctgcagcc cctcagcggc 1380
 ccaggtctgc ctatcaagca ggtgttccat gagctgagcc agcagaccca tggcatcacc 1440
 cggctggggc cctactctct ggacaaagac agcctctacc ttaacggtta caatgaacct 1500
 ggtccagatg agcctcctac aactcccaag ccagccacca cattcctgcc tccctctgtc 1560
 gaagccacaa cagccatggg gtaccacctg aagaccctca cactcaactt caccatctcc 1620
 aatctccagt attcaccaga tatgggcaag ggctcagcta cattcaactc caccgagggg 1680

```

gtccttcagc accctgctcag acccttggttc cagaagagca gcatggggccc cttctacttg 1740
ggttgccaac tgatctccct caggcctgag aaggatgggg cagccactgg tgtggacacc 1800
acctgcacct accacctga cctgtgggc cccgggctgg acatacagca gctttactgg 1860
gagctgagtc agctgacca tgggtgtcacc caactgggct tctatgtcct ggacagggat 1920
agcctcttca tcaatggcta tgcacccag aatttatcaa tccggggcga gtaccagata 1980
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<210> 386
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<212> DNA
<213> Homo sapiens

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<210> 387

<211> 1761

<212> DNA

<213> Homo sapiens

<400> 387

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<211> 772

<212> PRT

<400> 388

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 305 310 315 320
 Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn
 325 330 335
 Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly
 340 345 350
 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser
 355 360 365
 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg
 370 375 380
 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp
 385 390 395 400
 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile
 405 410 415
 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg
 420 425 430
 Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr
 435 440 445
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr
 450 455 460
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His
 465 470 475 480
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser
 485 490 495
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val
 500 505 510
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro
 515 520 525
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly
 530 535 540
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val
 545 550 555 560
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu
 565 570 575
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser
 580 585 590

Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu
 595 600 605
 Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp
 610 615 620
 Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys
 625 630 635 640
 Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe
 645 650 655
 Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys
 660 665 670
 Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe
 675 680 685
 Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr
 690 695 700
 Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln
 705 710 715 720
 Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile
 725 730 735
 Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn
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 Gly Leu Pro Val
 770

<210> 389
 <211> 833
 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu Gly
 50 55 60
 Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr His
 65 70 75 80

Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val Tyr
 85 90 95
 Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala Ala
 100 105 110
 Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn Leu
 115 120 125
 Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr Thr
 130 135 140
 Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr Ser
 145 150 155 160
 Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro Glu
 165 170 175
 Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg Pro
 180 185 190
 Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu Leu
 195 200 205
 Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu Asp
 210 215 220
 Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val Pro
 225 230 235 240
 Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn Phe
 245 250 255
 Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly Ser
 260 265 270
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 275 280 285
 Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg Val
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 Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp Leu
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 325 330 335
 Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg Leu
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 Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr Asn
 355 360 365
 Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr Thr
 370 375 380

Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His Leu
 385 390 395 400
 Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser Pro
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 Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val Leu
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 Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro Phe
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 Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly Ala
 450 455 460
 Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val Gly
 465 470 475 480
 Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr
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 His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser Leu
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 Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu Tyr
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 Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp Pro
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 Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys Val
 545 550 555 560
 Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe Cys
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 580 585 590
 Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe Leu
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 Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr Gln
 610 615 620
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 Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn Tyr
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 Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe Arg
 675 680 685

Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr Phe
690 695 700

Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys Asn
705 710 715 720

Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile Tyr Glu Glu
725 730 735

Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn Phe Thr Leu
740 745 750

Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe Pro Asn Arg Asn Glu
755 760 765

Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val Ile Leu Ile
770 775 780

Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile Cys Gly Val
785 790 795 800

Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr Asn Val Gln
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Gln Gln Cys Pro Gly Tyr Tyr Gln Ser His Leu Asp Leu Glu Asp Leu
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Gln

<210> 390

<211> 438

<212> PRT

<213> Homo sapiens

<400> 390

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Thr Glu Gly Val Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser
35 40 45

Ser Met Gly Pro Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro
50 55 60

Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His
65 70 75 80

Pro Asp Pro Val Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu
85 90 95

Leu Ser Gln Leu Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu

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Ile	Gln	Asp	Lys	Val	Thr	Thr	Leu	Tyr	Lys	Gly	Ser	Gln	Leu	His	Asp
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Val	Thr	Val	Lys	Ala	Leu	Phe	Ser	Ser	Asn	Leu	Asp	Pro	Ser	Leu	Val
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Ser	Val	Tyr	Gln	Pro	Thr	Ser	Ser	Ser	Ser	Thr	Gln	His	Phe	Tyr	Leu
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Asp	Ser	Leu	Cys	Asn	Phe	Ser	Pro	Leu	Ala	Arg	Arg	Val	Asp	Arg	Val
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Ala	Ile	Tyr	Glu	Glu	Phe	Leu	Arg	Met	Thr	Arg	Asn	Gly	Thr	Gln	Leu
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Gln	Asn	Phe	Thr	Leu	Asp	Arg	Ser	Ser	Val	Leu	Val	Asp	Gly	Tyr	Phe
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Pro	Asn	Arg	Asn	Glu	Pro	Leu	Thr	Gly	Asn	Ser	Asp	Leu	Pro	Phe	Trp
	370					375					380				
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385					390				395						400
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 340 345 350
 355 360 365
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<210> 391
 <211> 2627
 <212> DNA
 <213> Homo sapiens

<400> 391
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Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile
65 70 75 80

Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile
85 90 95

Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu
100 105 110

Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr
115 120 125

Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu
130 135 140

Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile
145 150 155 160

Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala
165 170 175

Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr
180 185 190

Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp
195 200 205

Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr
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Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val
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Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu
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Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val
      65                      70                      75                      80

His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met
      85                      90                      95

Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn
      100                      105                      110

Ala Ser Leu Arg Leu Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr
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Lys Cys Tyr Ile Ile Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu
      130                      135                      140

Tyr Lys Thr Gly Ala Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn
      145                      150                      155                      160

Ala Ser Ser Glu Thr Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln
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Pro Thr Val Val Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser
      180                      185                      190

Glu Val Ser Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met
      195                      200                      205

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Lys Val Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser
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Cys Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val
225 230 235 240

Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser
245 250 255

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275 280

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<212> PRT

<213> Homo sapiens

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<212> PRT
<213> Homo sapiens
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Gly	Tyr	Asn	Glu	Pro	Gly	Leu	Asp	Glu	Pro	Pro	Thr	Thr	Pro	Lys	Pro
	690					695					700				
Ala	Thr	Thr	Phe	Leu	Pro	Pro	Leu	Ser	Glu	Ala	Thr	Thr	Ala	Met	Gly
705					710					715					720
Tyr	His	Leu	Lys	Thr	Leu	Thr	Leu	Asn	Phe	Thr	Ile	Ser	Asn	Leu	Gln
				725					730					735	
Tyr	Ser	Pro	Asp	Met	Gly	Lys	Gly	Ser	Ala	Thr	Phe	Asn	Ser	Thr	Glu
			740					745					750		
Gly	Val	Leu	Gln	His	Leu	Leu	Arg	Pro	Leu	Phe	Gln	Lys	Ser	Ser	Met
		755													

Pro Asp Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln
 865 870 875 880
 Asp Lys Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe
 885 890 895
 Arg Phe Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr
 900 905 910
 Val Lys Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln
 915 920 925
 Val Phe Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser
 930 935 940
 Thr Tyr Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val
 945 950 955 960
 Tyr Gln Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Pro Asn Phe
 965 970 975
 Thr Ile Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr
 980 985 990
 Thr Asn Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln
 995 1000 1005
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 1010 1015 1020
 Ser Thr Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser
 1025 1030 1035 1040
 Leu Cys Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile
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 Tyr Glu Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn
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 Phe Thr Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Ser Pro Asn
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 Arg Asn Glu Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val
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 Ile Phe Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile
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 Cys Gly Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr
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<212> PRT

<213> Homo sapiens

<400> 460

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 Leu Gly Pro Pro Gln Trp Thr Trp Glu His Leu Gly Leu Gln Phe Leu
 20 25 30
 Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser
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 Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu
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 Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp
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Asp	Ala	Val	Cys	Thr	His	Arg	Pro	Asp 40	Pro	Lys	Ser	Pro 45	Gly	Leu	Asp
Arg	Glu	Arg	Leu	Tyr	Trp	Lys 55	Leu	Ser	Gln	Leu	Thr 60	His	Gly	Ile	Thr
Glu	Leu	Gly	Pro	Tyr	Thr	Leu	Asp	Arg	His	Ser 75	Leu	Tyr	Val	Asn	Gly 80
Phe	Thr	His	Gln	Ser 85	Ser	Met	Thr	Thr	Thr 90	Arg	Thr	Pro	Asp	Thr 95	Ser
Thr	Met	His	Leu	Ala	Thr	Ser	Arg	Thr 105	Pro	Ala	Ser	Leu	Ser 110	Gly	Pro
Thr	Thr	Ala	Ser	Pro	Leu	Leu	Val	Leu 120	Phe	Thr	Ile	Asn 125	Phe	Thr	Ile
Thr	Asn	Leu	Arg	Tyr	Glu	Glu	Asn	Met 135	His	His	Pro	Gly 140	Ser	Arg	Lys
Phe	Asn	Thr	Thr	Glu	Arg	Val	Leu	Gln	Gly 155	Leu	Leu	Arg	Pro	Val	Phe 160
Lys	Asn	Thr	Ser	Val 165	Gly	Pro	Leu	Tyr	Ser 170	Gly	Cys	Arg	Leu	Thr 175	Leu
Leu	Arg	Pro	Lys 180	Lys	Asp	Gly	Ala	Ala 185	Thr	Lys	Val	Asp	Ala 190	Ile	Cys
Thr	Tyr	Arg 195	Pro	Asp	Pro	Lys	Ser 200	Pro	Gly	Leu	Asp 205	Arg	Glu	Gln	Leu
Tyr	Trp 210	Glu	Leu	Ser	Gln	Leu	Thr 215	His	Ser	Ile	Thr 220	Glu	Leu	Gly	Pro
Tyr 225	Thr	Leu	Asp	Arg	Asp 230	Ser	Leu	Tyr	Val	Asn 235	Gly	Phe	Thr	Gln	Arg 240
Ser	Ser	Val	Pro	Thr 245	Thr	Ser	Ile	Pro	Gly 250	Thr	Pro	Thr	Val	Asp 255	Leu
Gly	Thr	Ser	Gly 260	Thr	Pro	Val	Ser	Lys 265	Pro	Gly	Pro	Ser	Ala 270	Ala	Ser
Pro	Leu	Leu 275	Val	Leu	Phe	Thr	Leu 280	Asn	Phe	Thr	Ile 285	Thr	Asn	Leu	Arg
Tyr	Glu 290	Glu	Asn	Met	Gln	His 295	Pro	Gly	Ser	Arg	Lys 300	Phe	Asn	Thr	Thr
Glu 305	Arg	Val	Leu	Gln	Gly 310	Leu	Leu	Arg							